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THE
Surgical Instruments of the Hindus

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THE SURGICAL INSTRUMENTS OF THE HINDUS

WITH

A Comparative Study of the Surgical Instruments of the Greek, Roman, Arab and the Modern European Surgeons

BY

GIRINDRANĀTH MUKHOPĀDHYĀYA, B.A., M.D.

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Griffith Prize Essay for 1909

In Two Volumes

Vol. II

396 Illustrations in 82 Plates

Published by the Calcutta University
1914

CAMBRAY & CO

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PRINTED BY ATULCHANDRA BHATTACHARYYA

AT THE

CALCUTTA UNIVERSITY PRESS

Senate House, Calcutta.

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PREFACE

Much trouble has been taken with our illustrations, but the author is fully conscious of their many defects. I am greatly indebted to several authors mentioned in the legends to the plates as the readers will find certain of their illustrations copied in this volume. It was found necessary in a comparative study of the surgical instruments used by the different nations of the world. It has been my wish to render due credit to all persons for the illustrations by which they may severally have contributed to the advancement of our knowledge of the subject, and I have never assumed to myself drawings, which belong to others. For those illustrations, not otherwise acknowledged, the author is solely responsible.

For his skill and patience in drawing and printing these figures I am glad to take this opportunity of thanking Mr. K. V. Seyne.

The author deems it a pleasant duty to express his thanks to the University of Calcutta for the liberality displayed in the matter of illustrations.

80, Russa Road North,
Calcutta, February, 1914.

G. N. MUKHOPĀDHYĀYA.

ABBREVIATIONS

Adams :	The Genuine Works of Hippocrates. Translated by Francis Adams, LL.D. in two volumes. (Sydenham Society).
A. H. :	Catalogue of Surgical Instruments and Appliances. Allen and Hanburys Ltd. 1903.
A. S. :	Catalogue of Surgical Instruments and Appliances. Arnold and Sons. 1895.
Anderson :	See Wellcome.
B. B. :	Surgical Instruments and Appliances. Burgoyne, Burbidges & Co.
C. C. G. :	Collection de Chirurgiens Grecs. Bibliothèque Nationale. Paris.
Erichsen :	The Science and Art of Surgery. By Sir John Eric Erichsen Bt., F.R.S., LL.D. Tenth Edition. 1895.
Esmarch :	The Surgeon's Handbook of the Treatment of Wounded in War. By Dr. Friedrich Esmarch.
Heath :	Minor Surgery and Bandaging. By C. Heath, F.R.C.S. Second Edition.
I. M. G. :	Indian Medical Gazette, 1904.
K. S. :	Catalogue of Surgical Instruments. Kny-Scheerer & Co.
Milne :	Surgical Intruments in Greek and Roman Times. By T. S. Milne, M.A., M.D., 1907.
Porter :	The Surgeon's Pocket-Book. The Best Treatment of Wounded in War. By Surgeon-Major T. H. Porter. 1891.
Princep :	Princep's (Thomas') Indian Antiquities.

Swain : Surgical Emergencies. By W. P. Swain, F.R C.S. Third Edition. 1880.

Thakore Saheb : History of Aryan Medical Science. By H. H. Sir Bhagvat Singh Jee., K.C.I.E., M.D., D.C.L., LL.D., F.R.C.P.E. Thakore Saheb of Gondal. 1896.

Waggett : Diseases of the Nose. By E. B. Waggett, M.A., M.B., B.C. 1907.

Wellcome : Third Report of the Wellcome Research Laboratories at the Gordon Memorial College, Khartoum.

White : The Veterinary Art. By James White. 1851.

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The Surgical Instruments of the Hindus.

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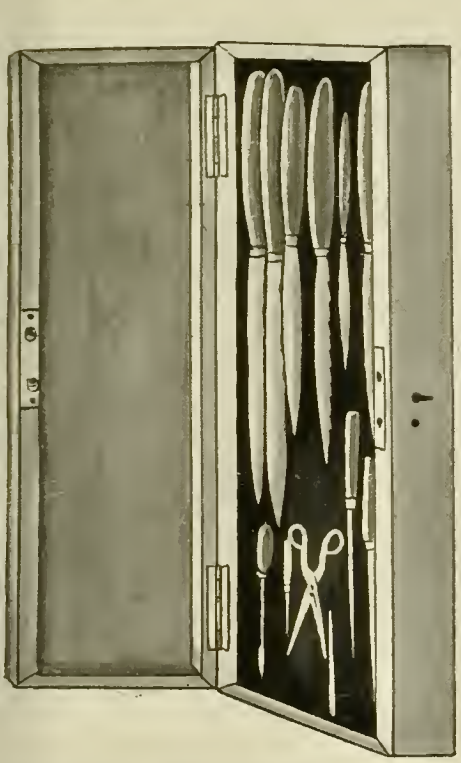

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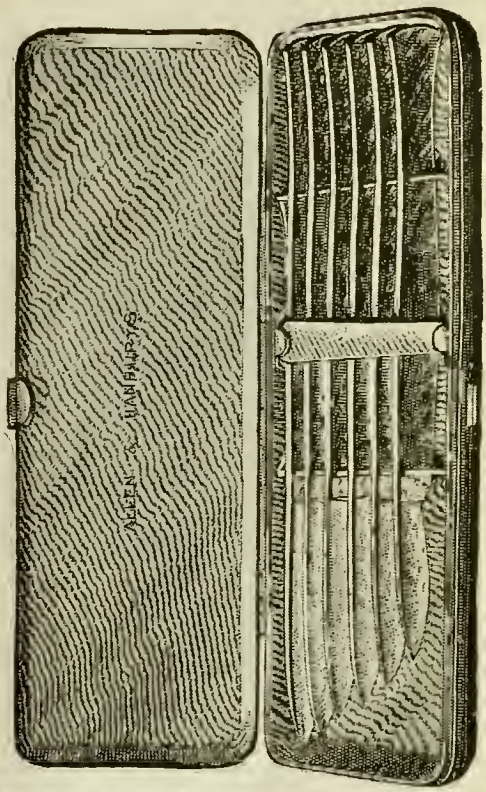

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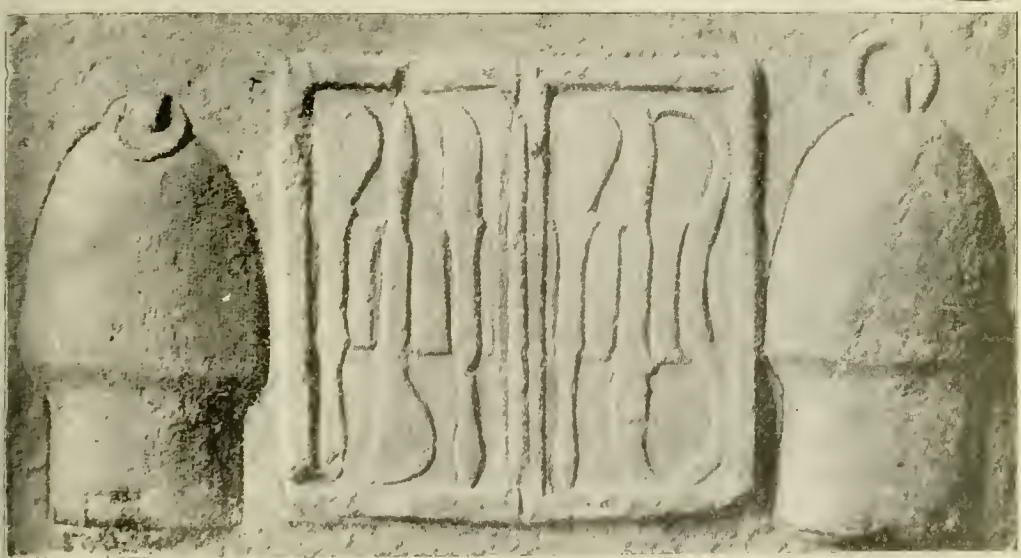

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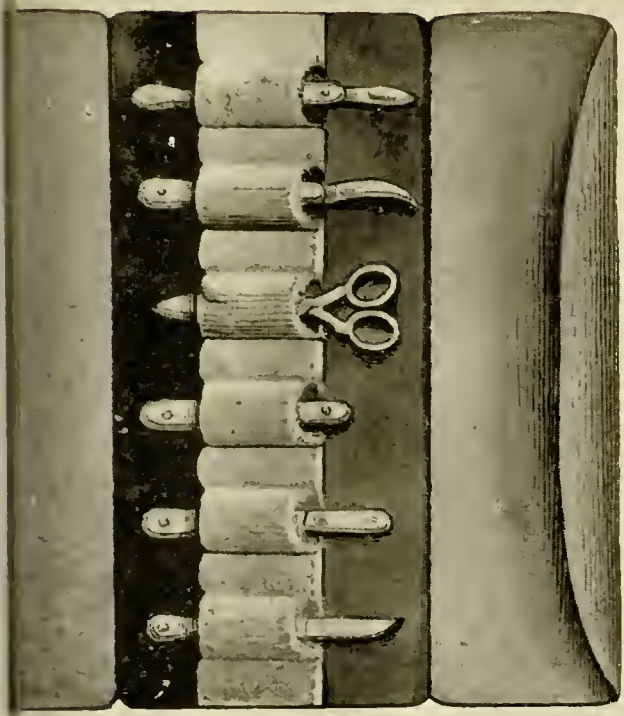

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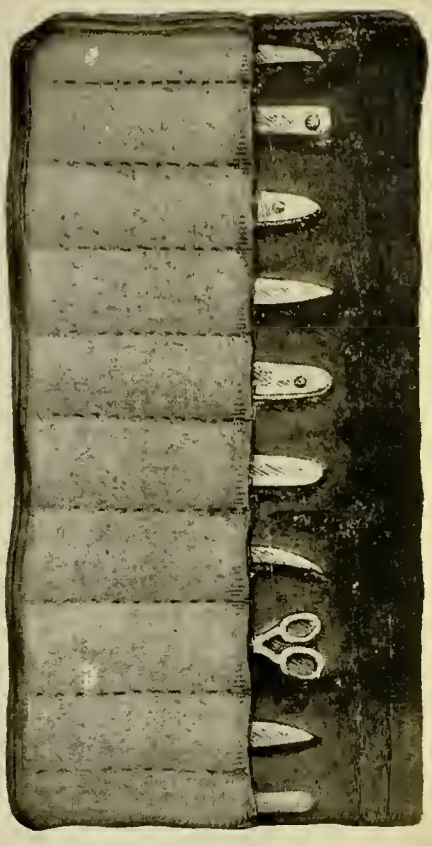

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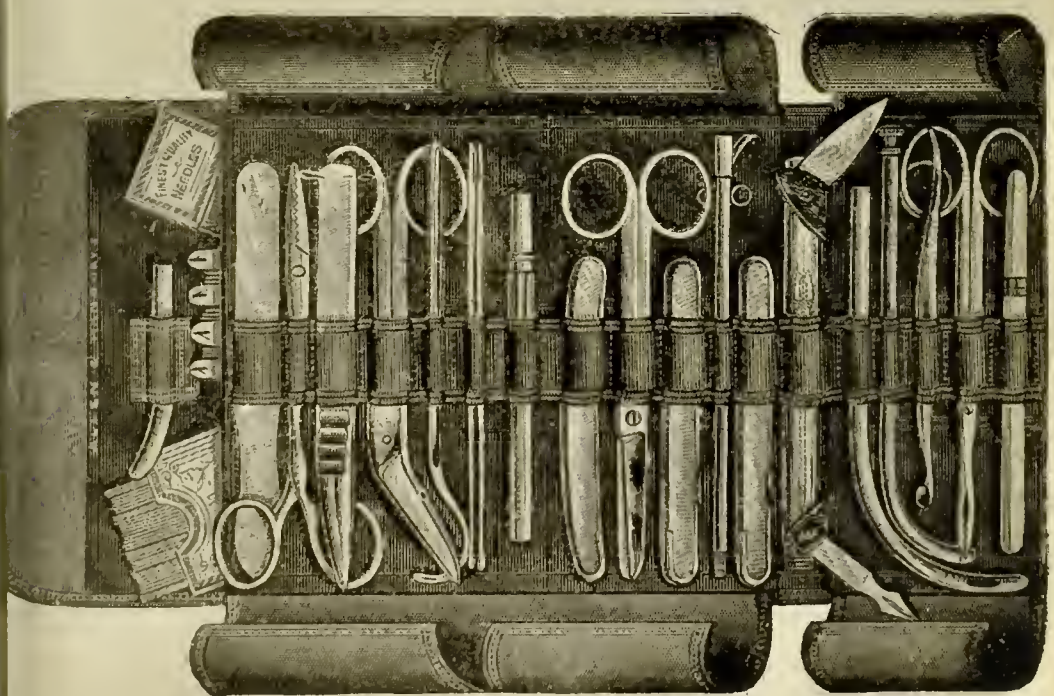

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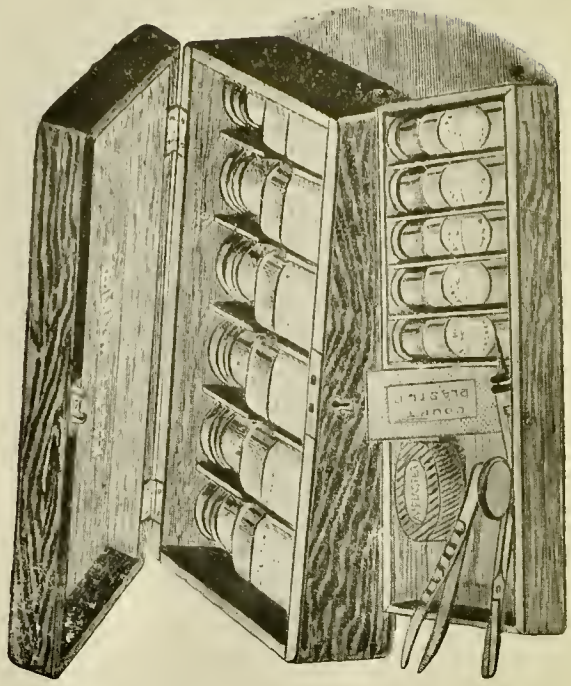

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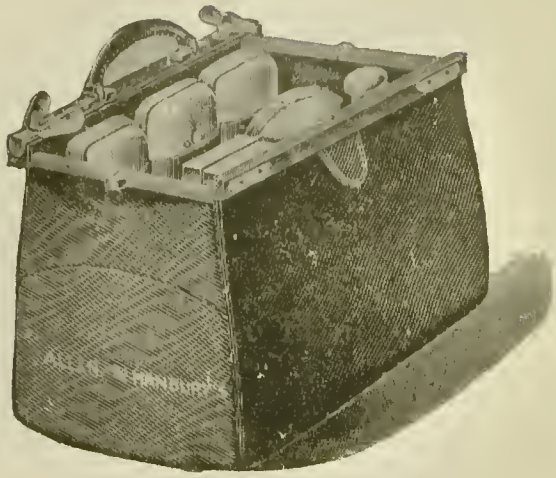

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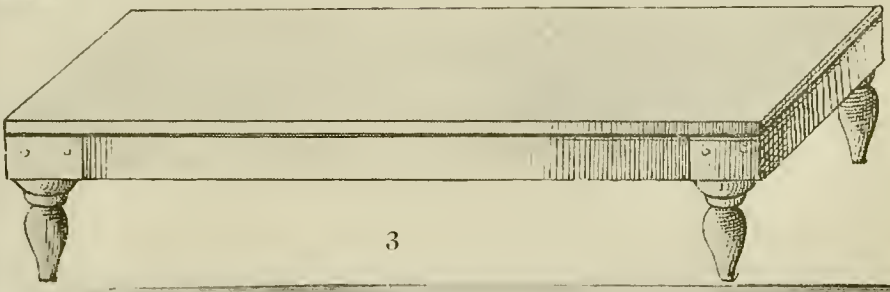

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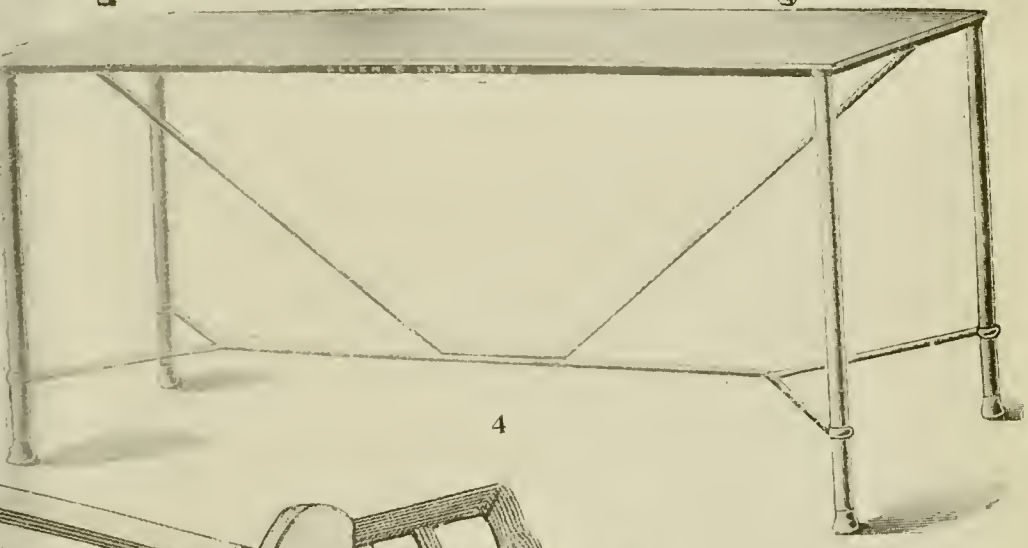

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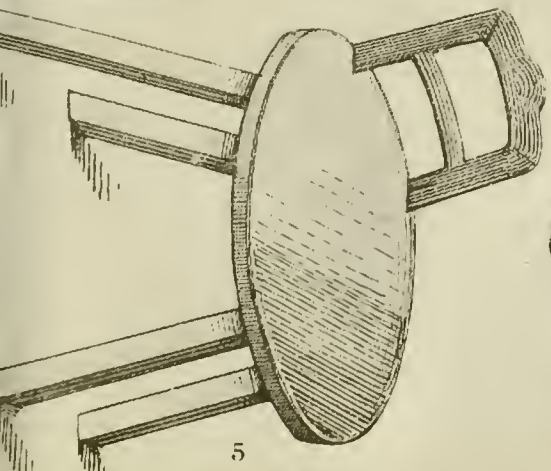

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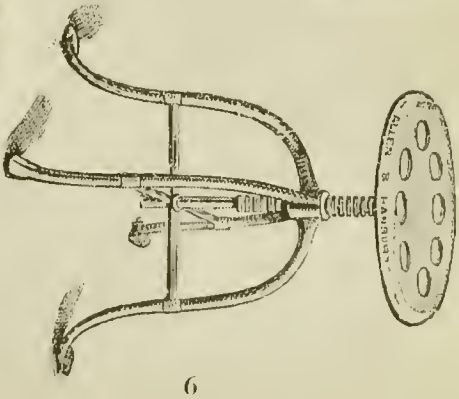

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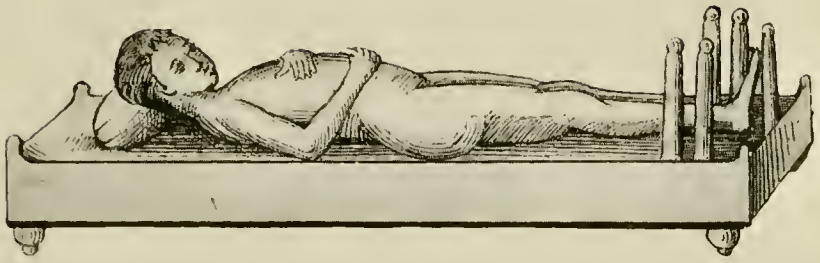

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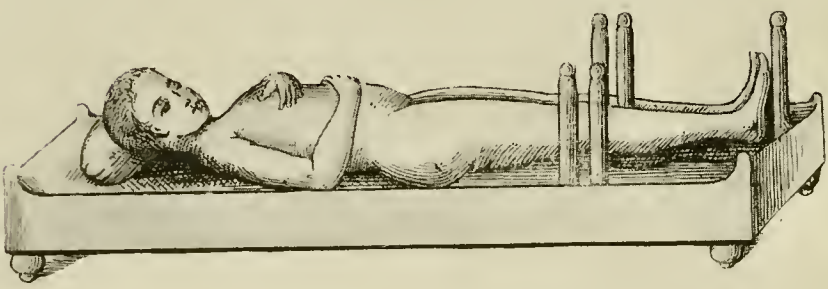

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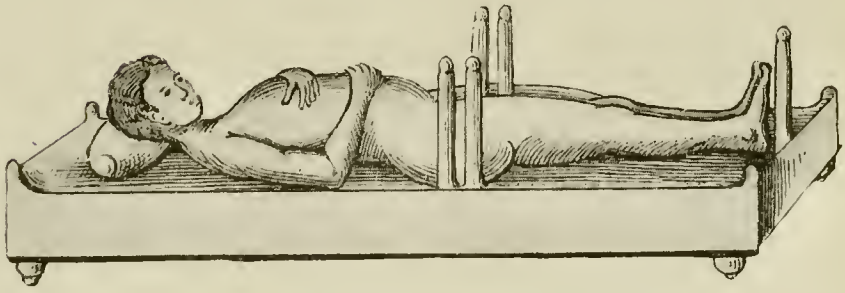

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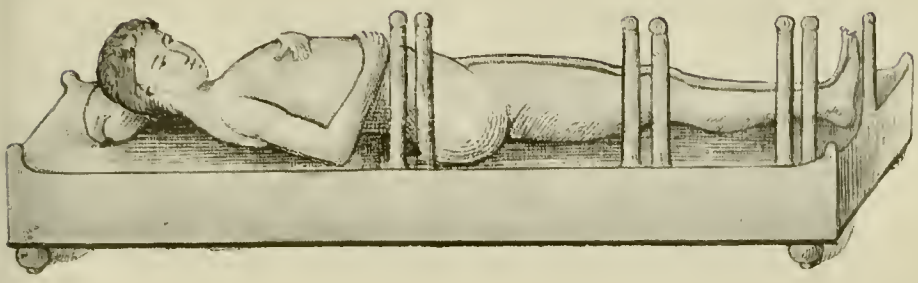

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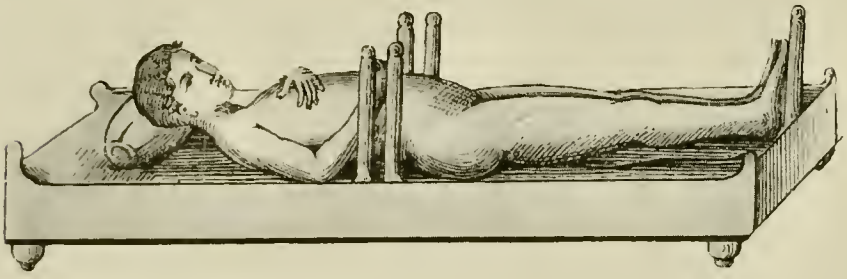

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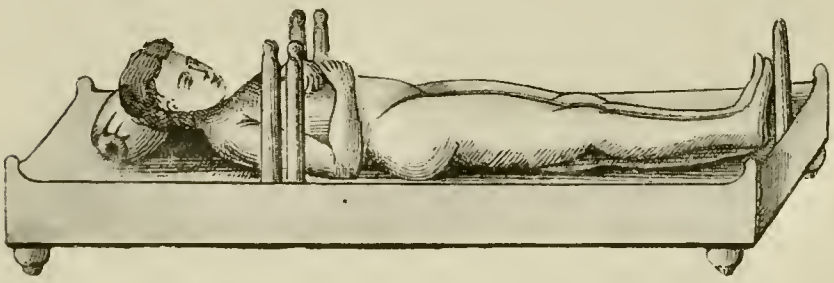

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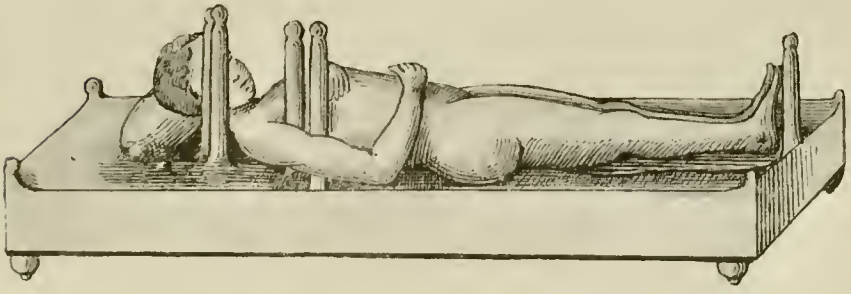

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A. A board, 6 cubits long, 2 broad and 12 inches thick; not 13 as ineorreetly stated by M. Littré.

B. The feet of the Axles, which are short.

CC. Axle-trees.

DD. Grooves 3 inches deep, 3 broad, seperated from one another by 4 ineheś.

E. A small post *or* pillar, fastened in the middle of the machine in a quadrangular hole.

F. Pillars a foot long.

G. A eross-beam laid on the pillars FF, which can be placed at different heights by means of holes in the pillars.

Adams. Vol. II. Pl. IV. Fig. 1 & 2.

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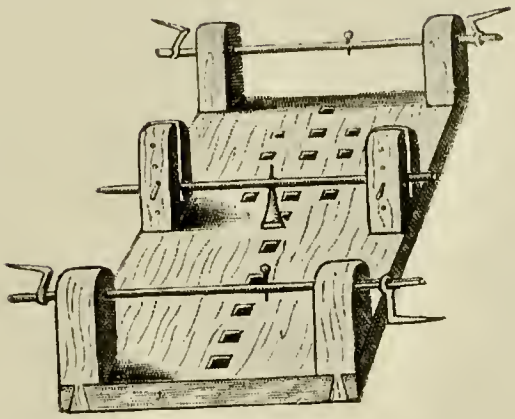
Plate VII.



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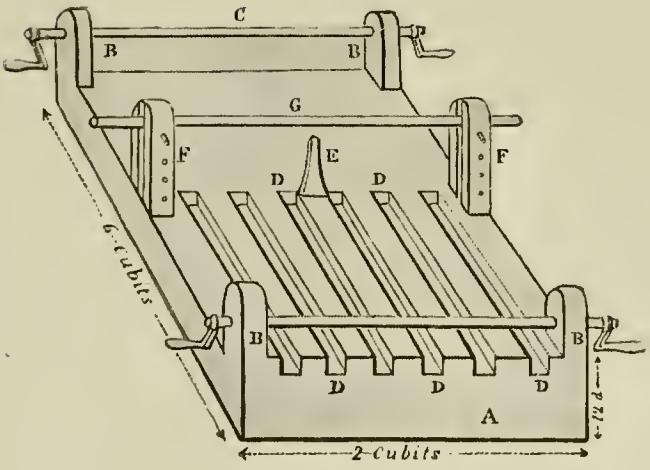

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FIGURE. PAGE.

1.—Representation of the mode of reducing dislocation of the thigh outwards, as given by M. Littré (Œuv. d'Hipp., tom. iv, p. 305) ... 89

A mistake in the figure given by M. Littré is here corrected.

A. A lever applied to the nates of the luxated side, and acting from without inwards, in order to bring the head of the bone into its cavity.

B. Another lever, held by an assistant, put into one of the grooves of the machine, and intended to act against lever A.

C. Grove in which the end of the lever A takes its point of support.

D. The luxated member.

EE. Extension and counter-extension.

Adams. Vol. II. Pl. V. Fig. 1.

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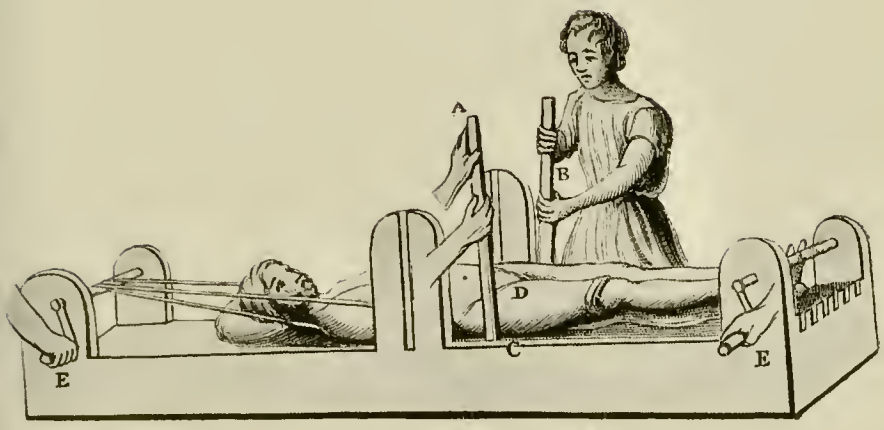

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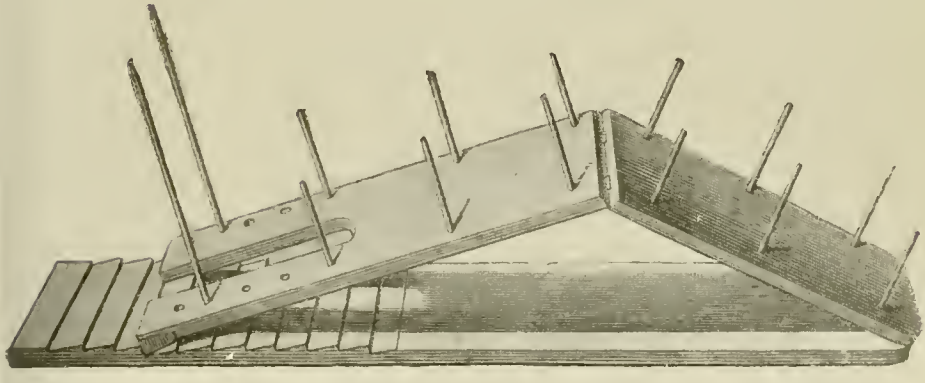

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PLATE IX.

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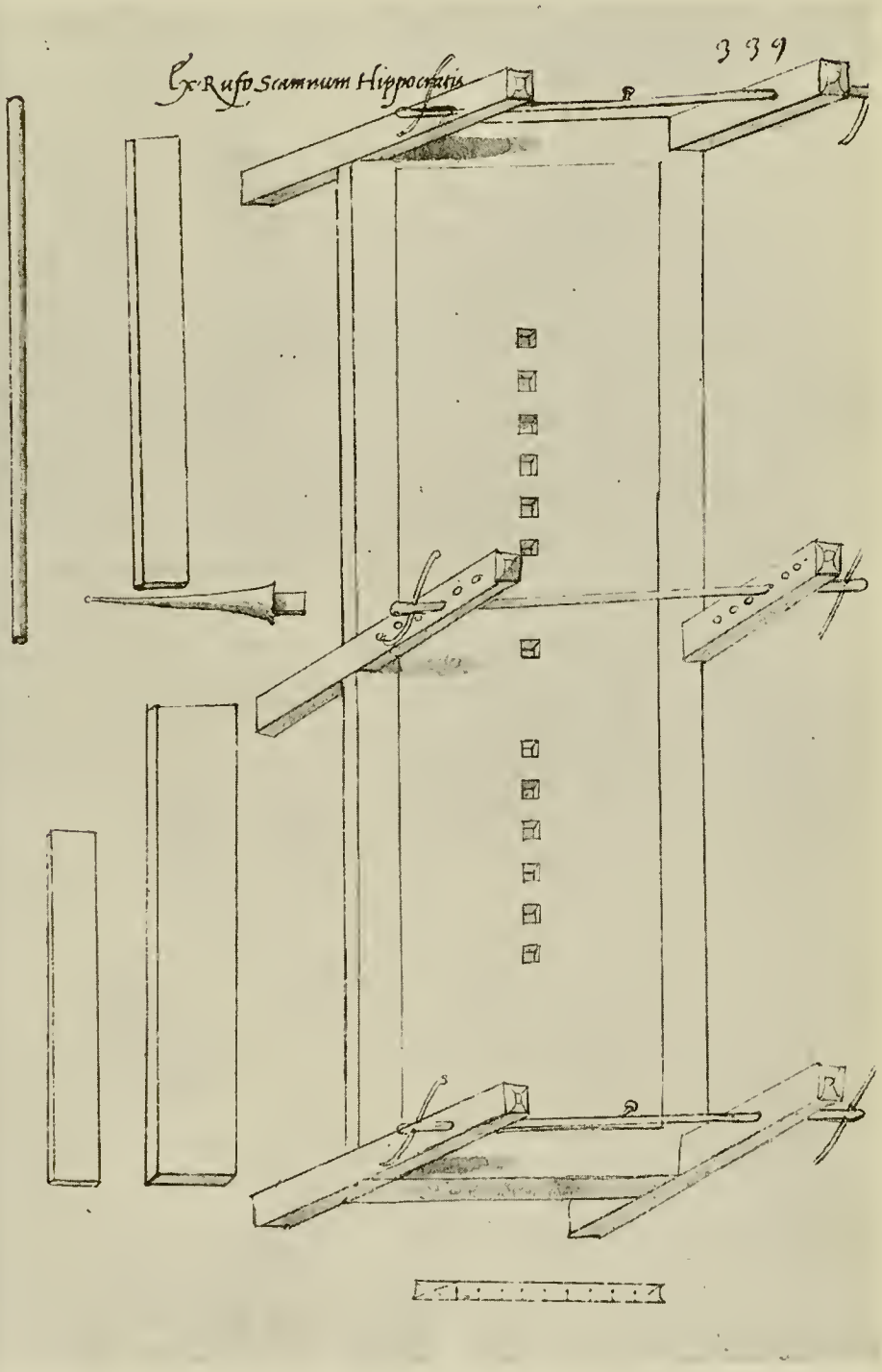

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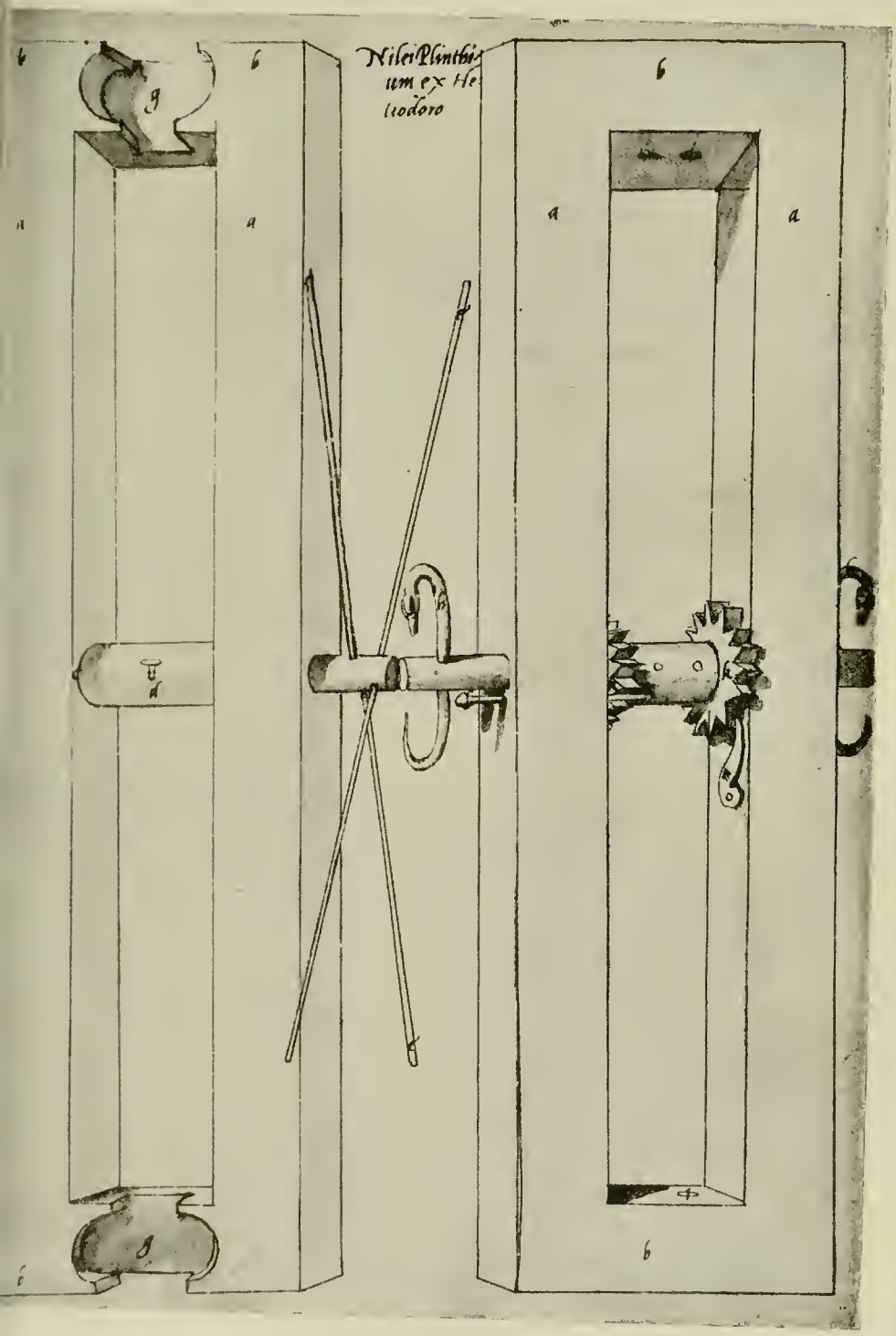

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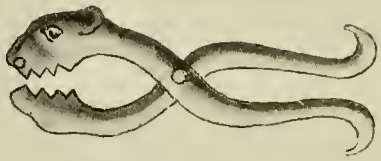

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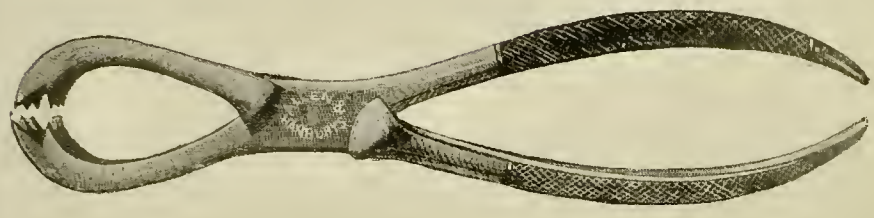

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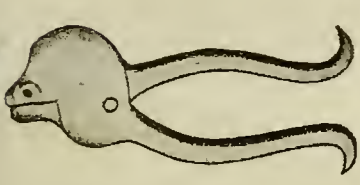

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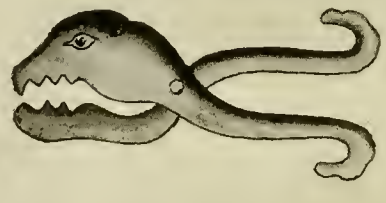

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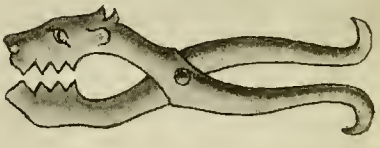

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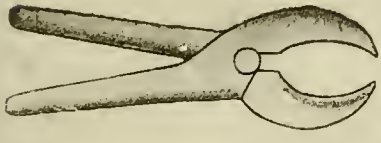

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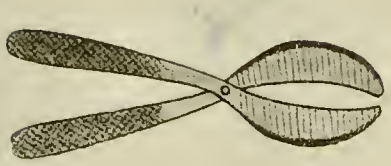

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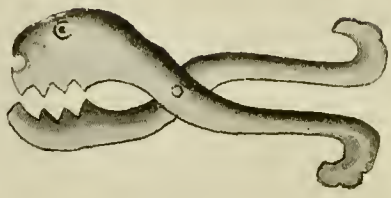

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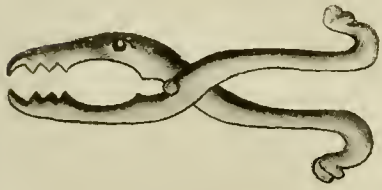

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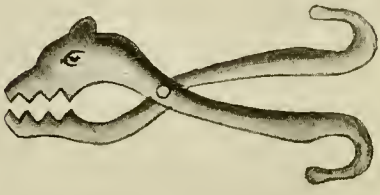

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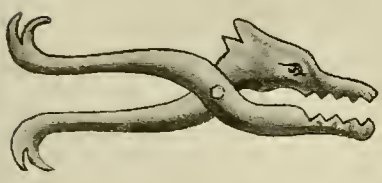

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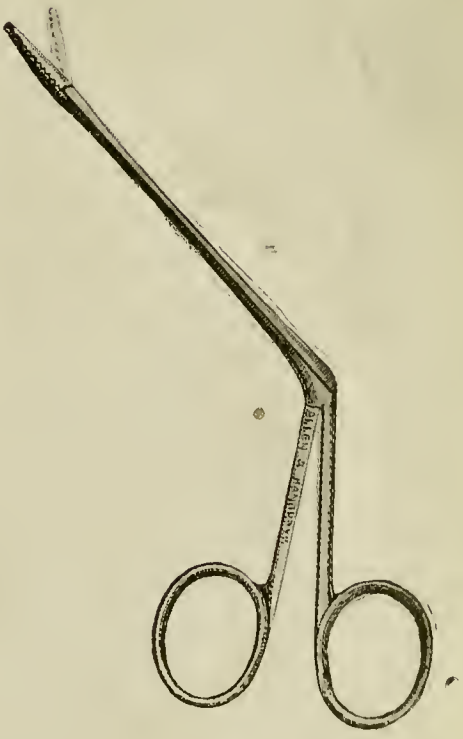

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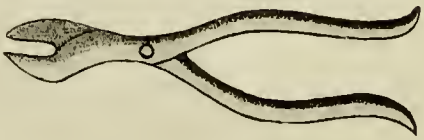

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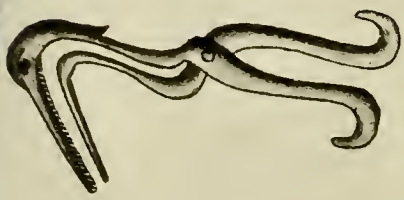

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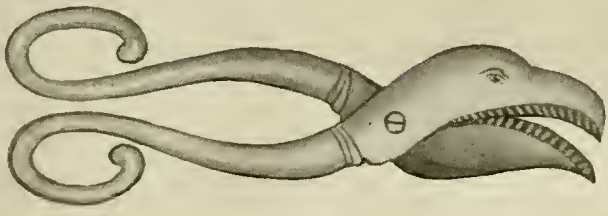

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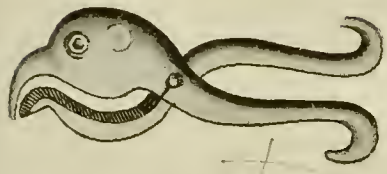

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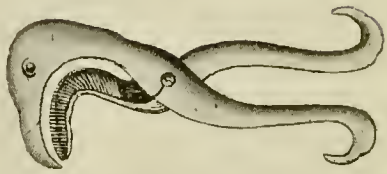

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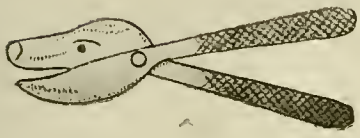

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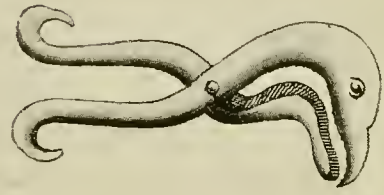

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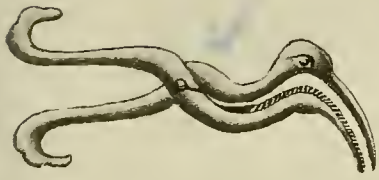

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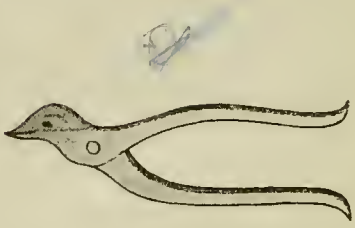

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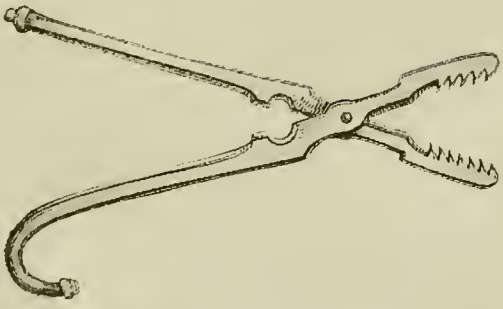

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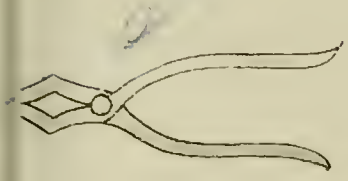

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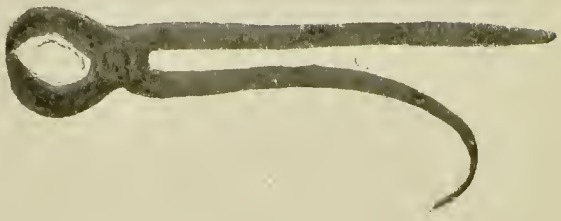

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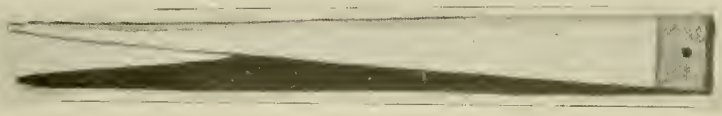

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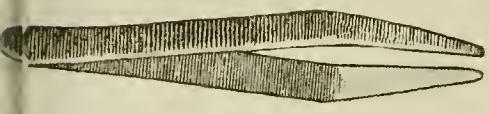

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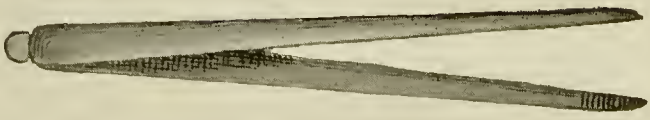

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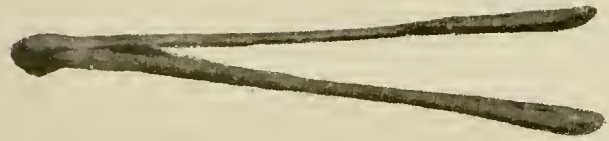

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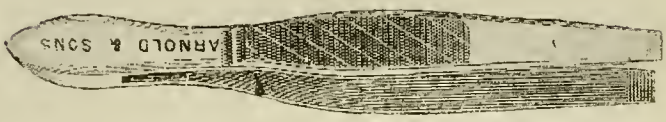

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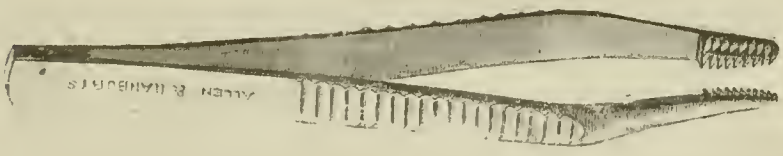

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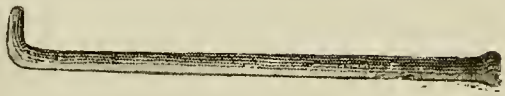

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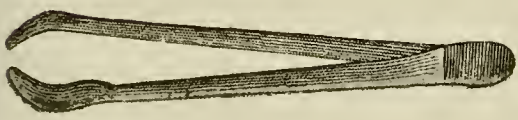

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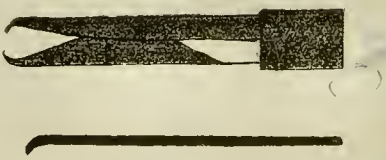

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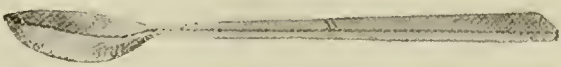

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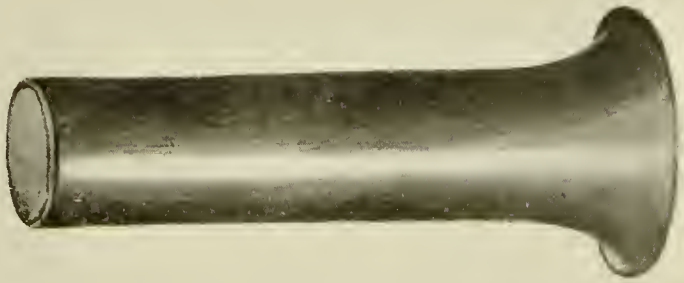

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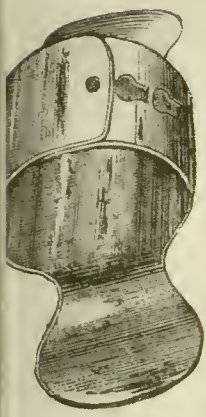

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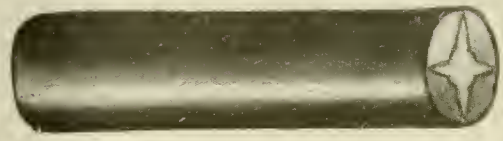

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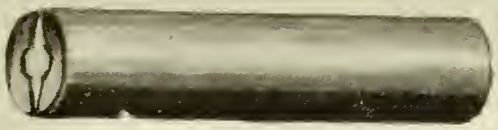

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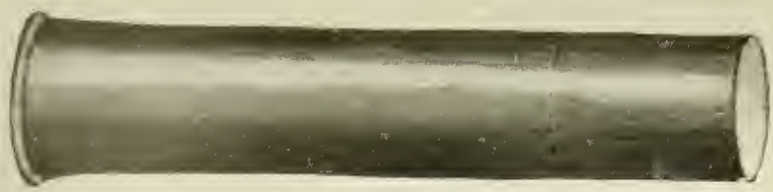

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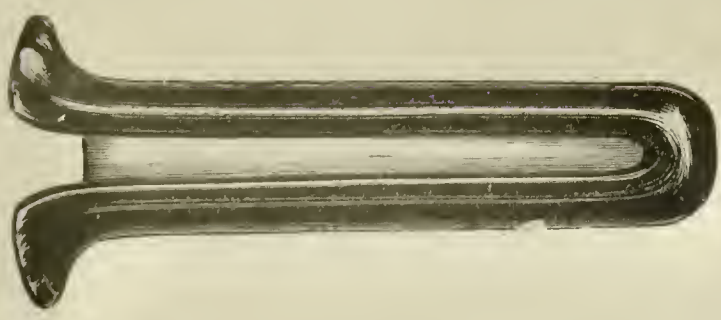

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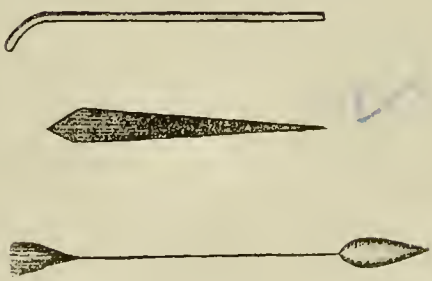

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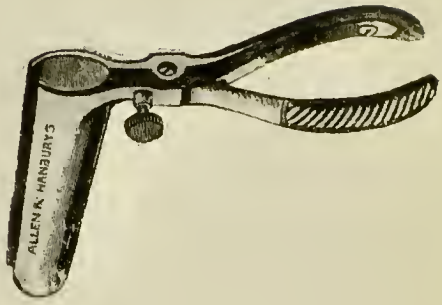

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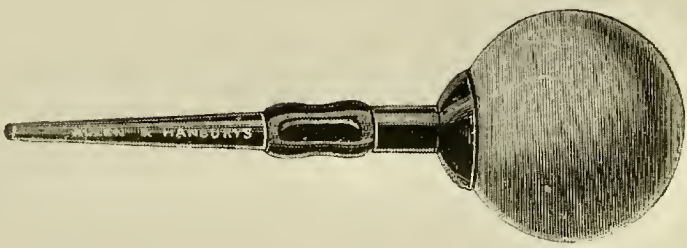

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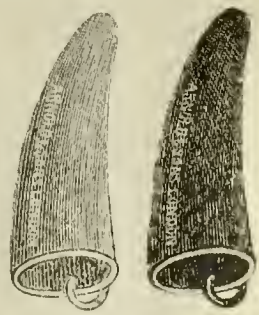

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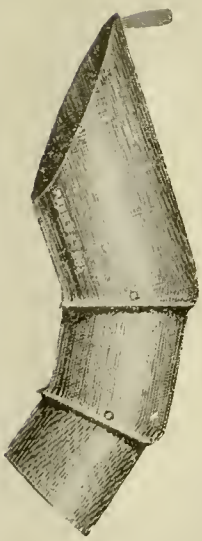

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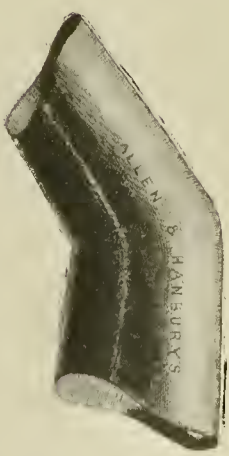

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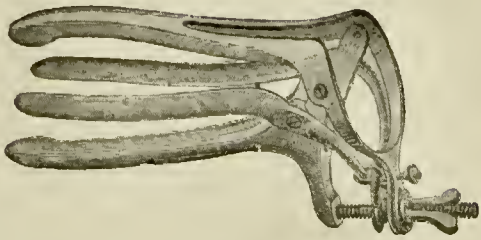

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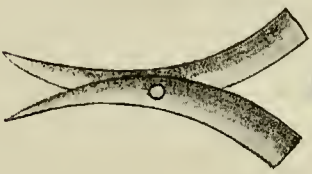

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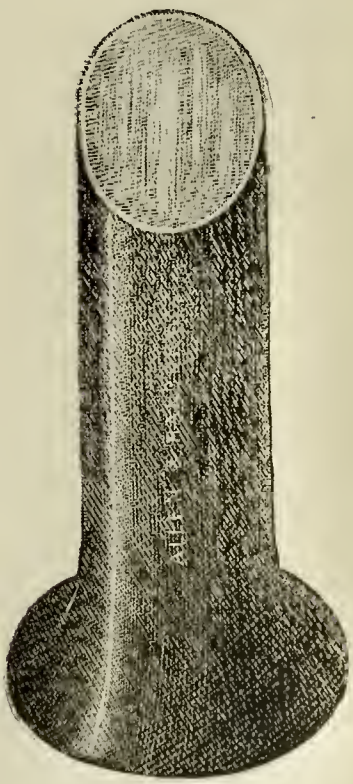

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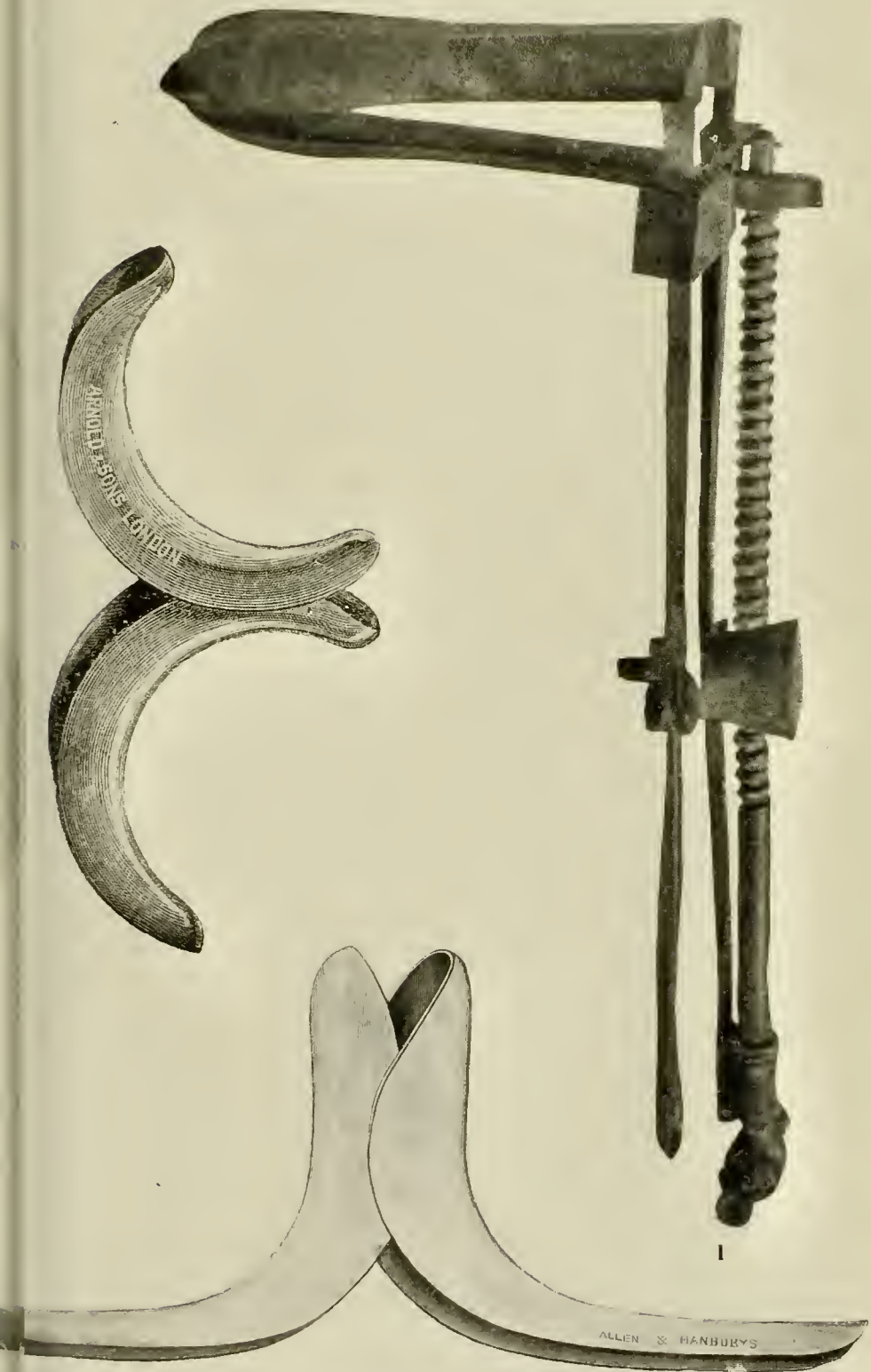

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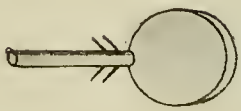

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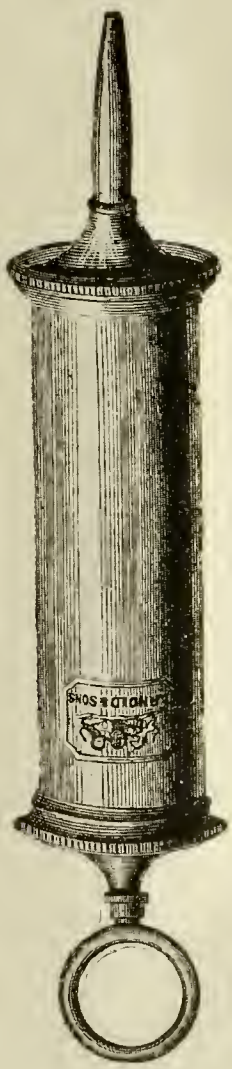

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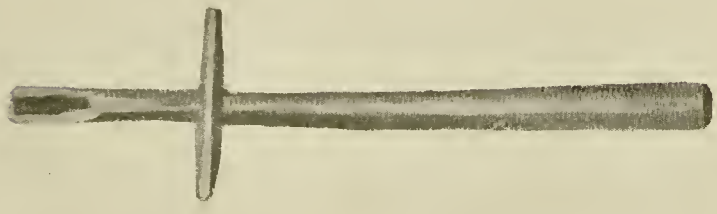

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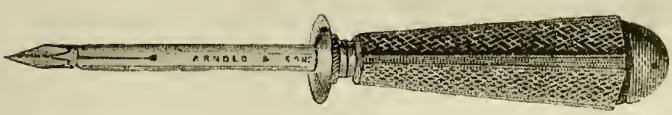

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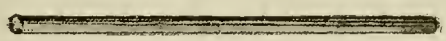

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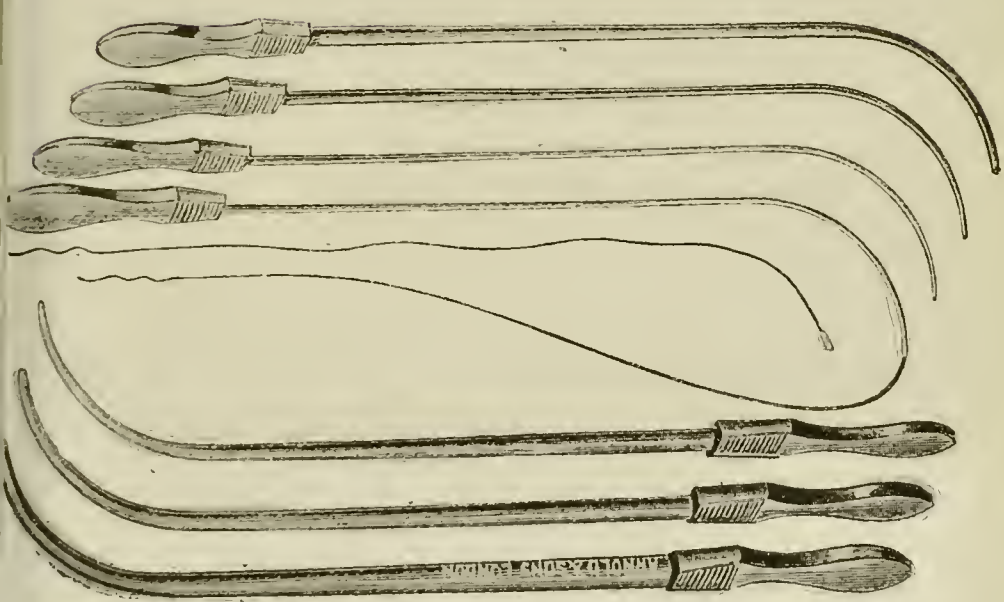

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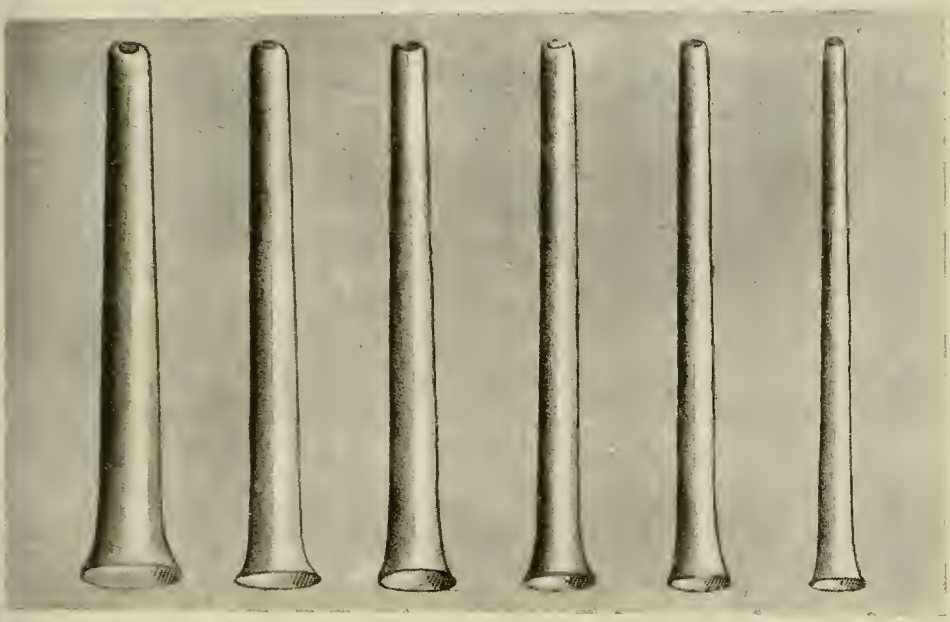

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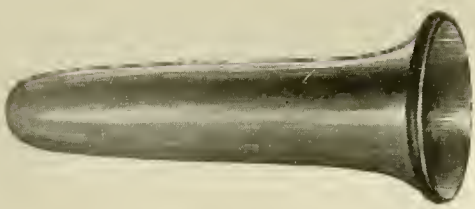

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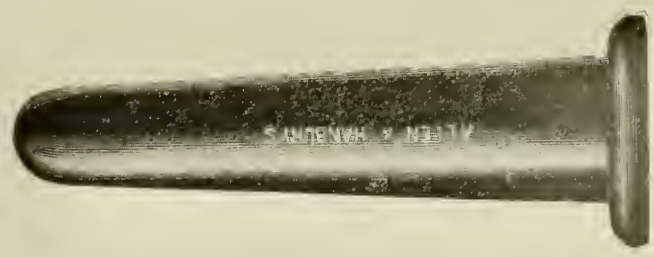

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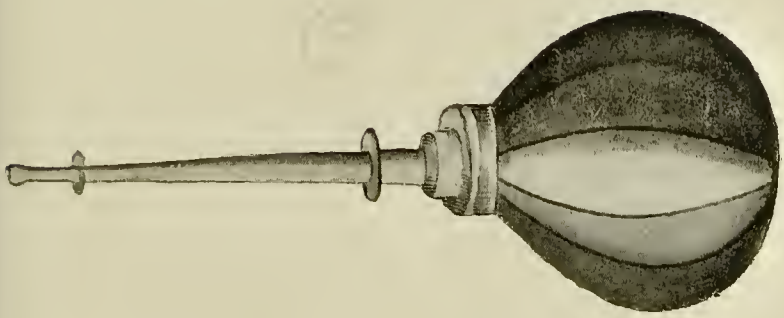

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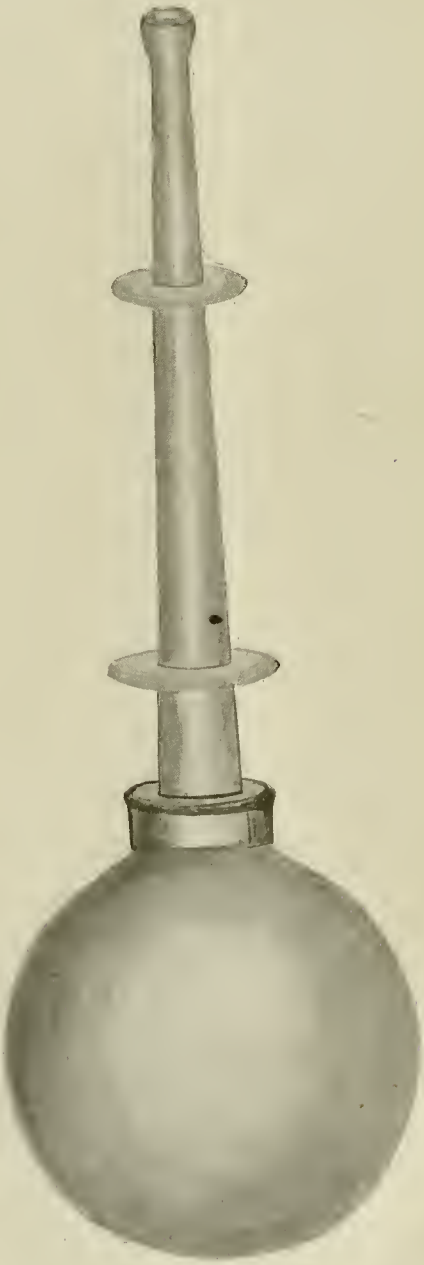

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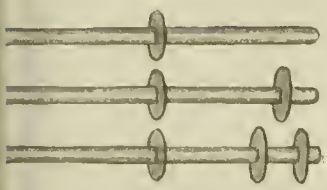

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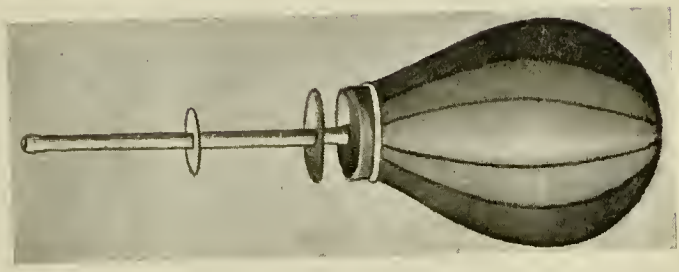

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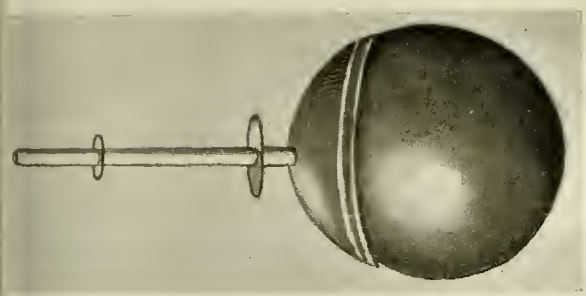

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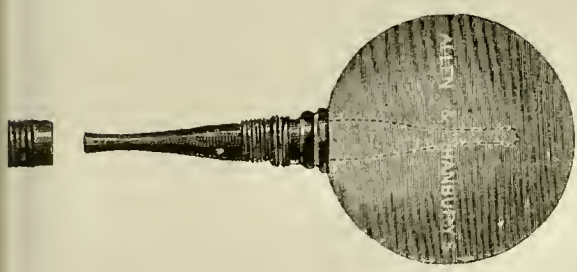

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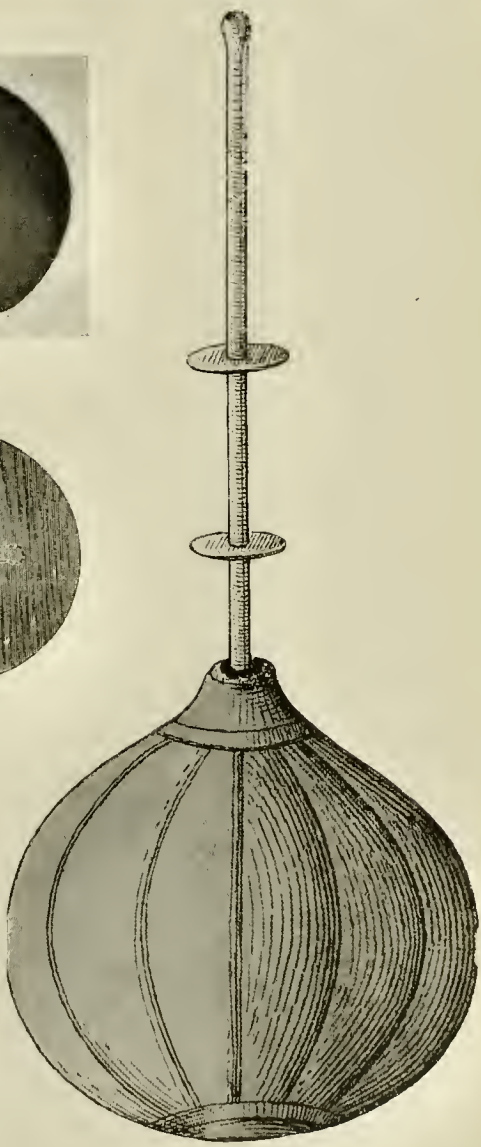

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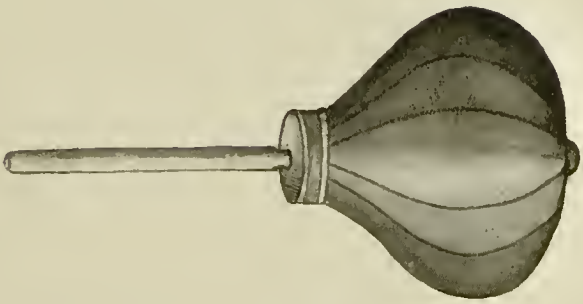

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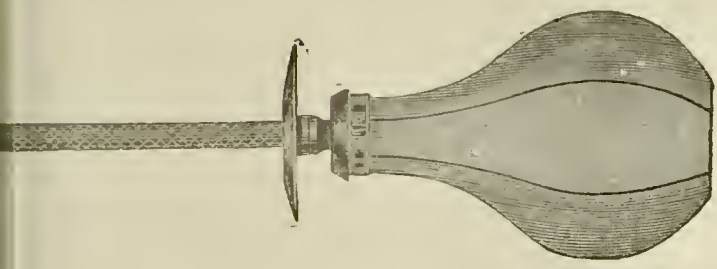

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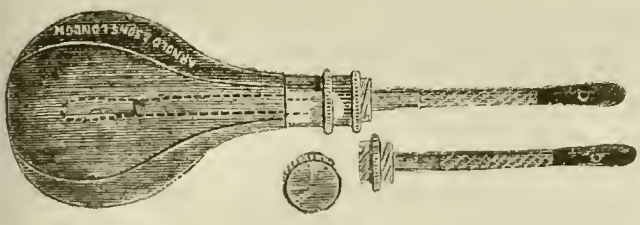

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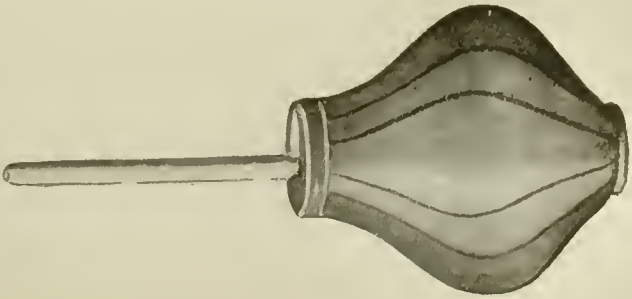

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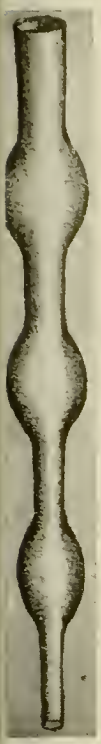

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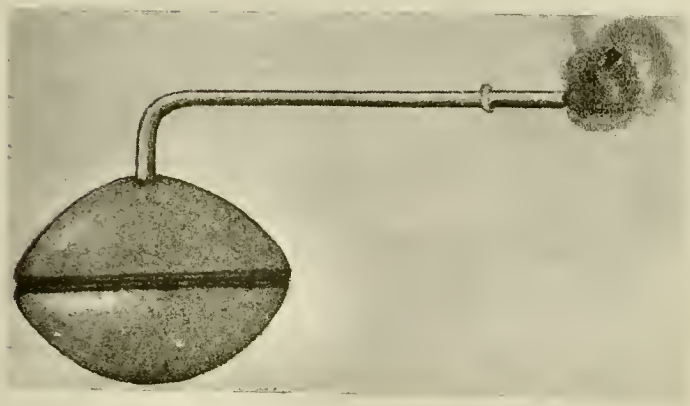

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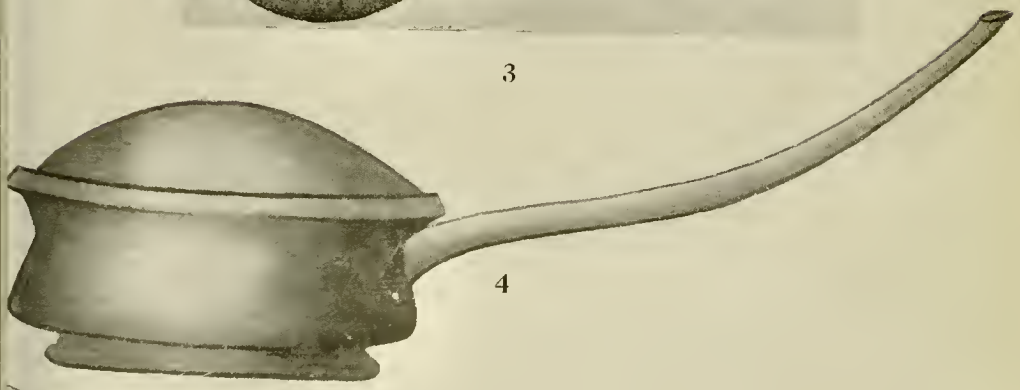

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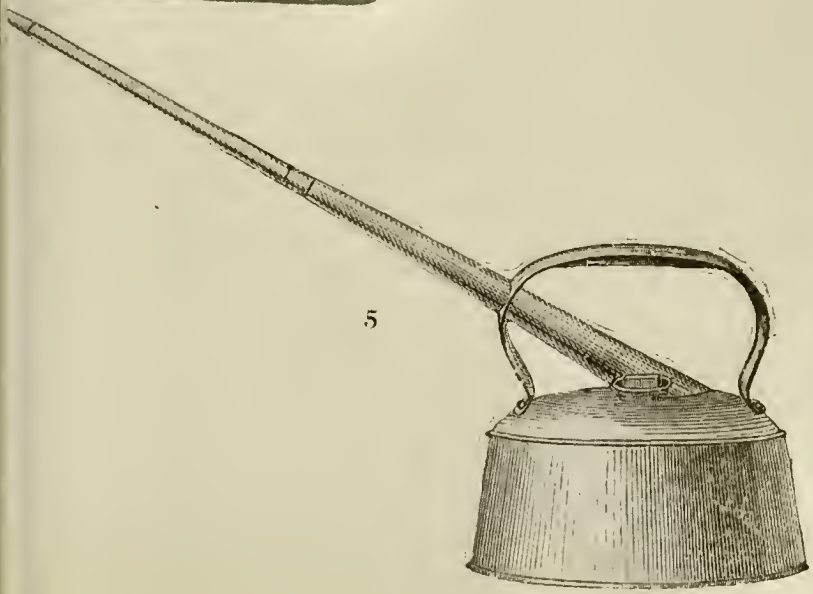

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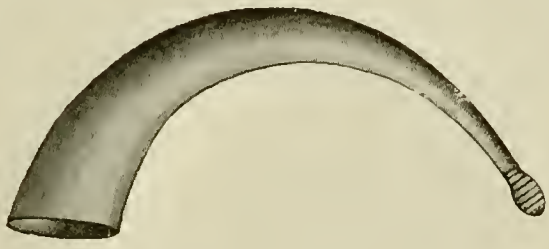

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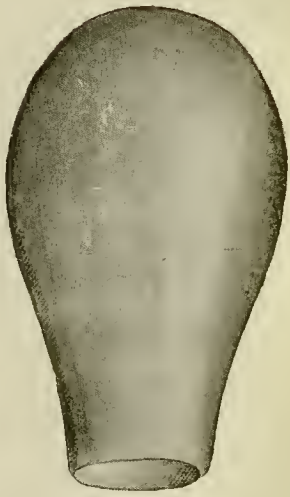

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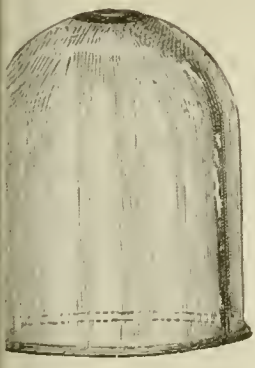

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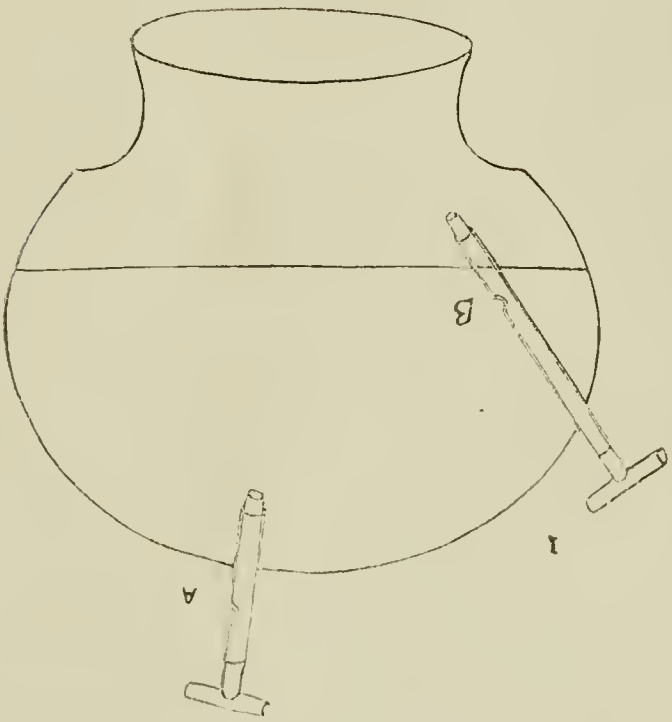

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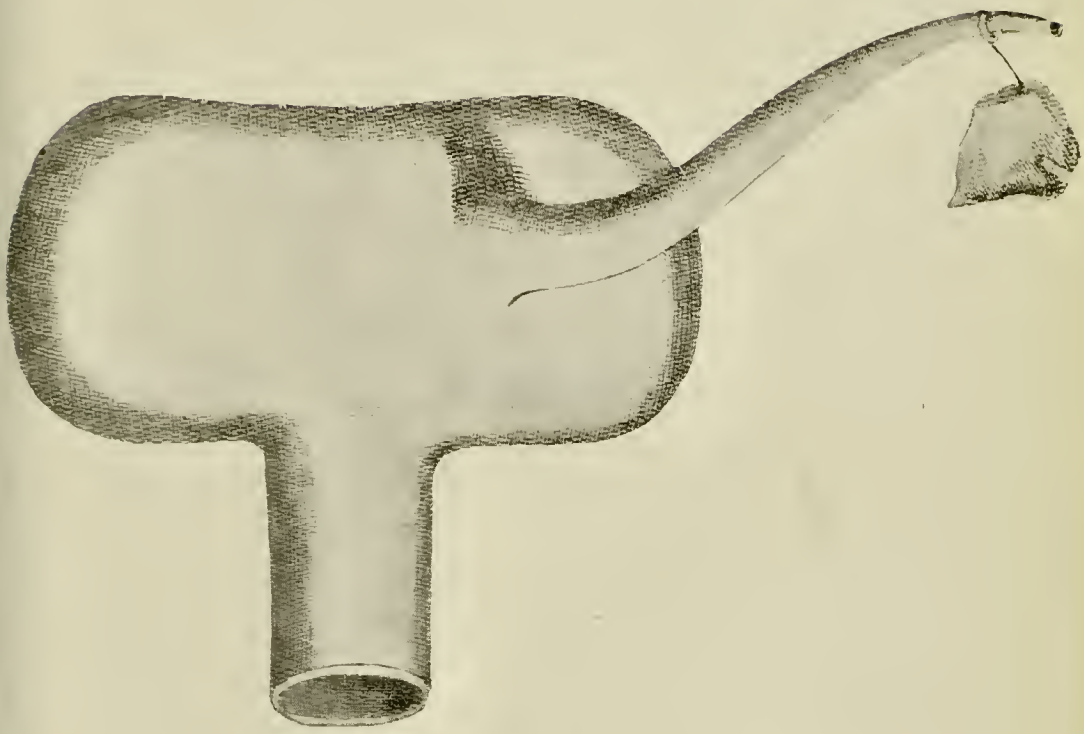

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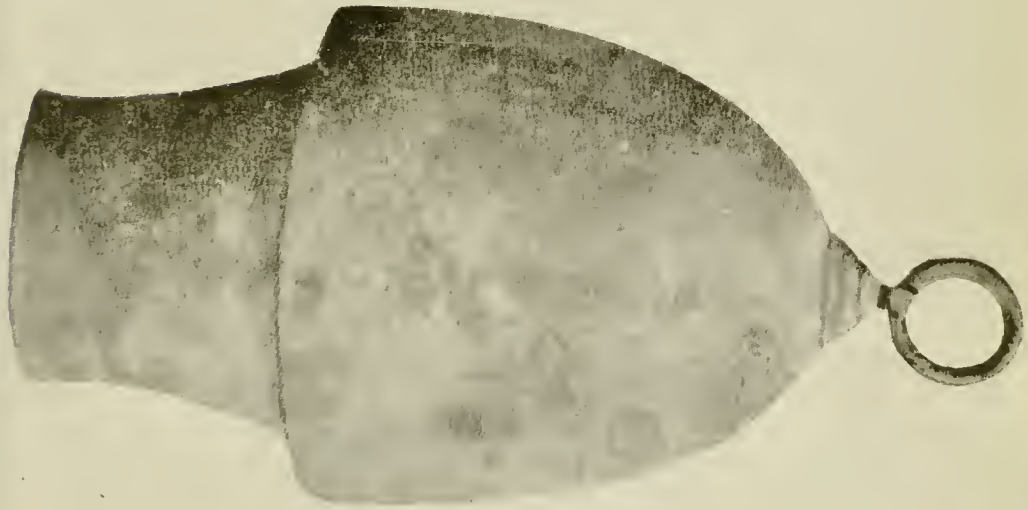

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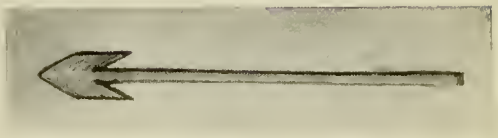

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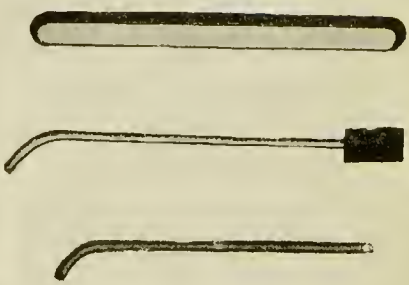

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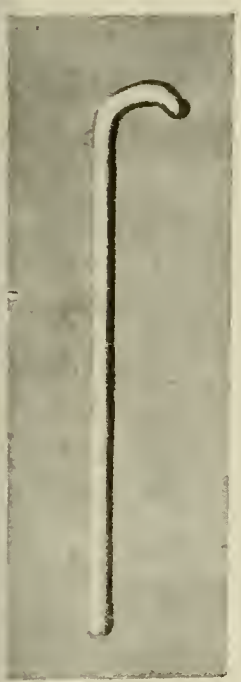

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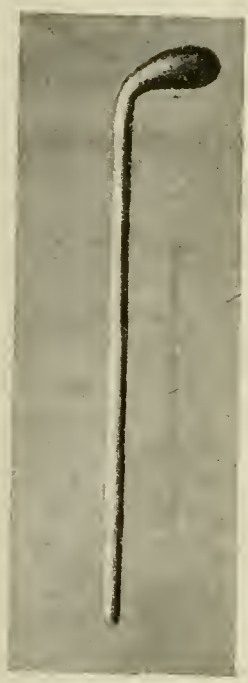

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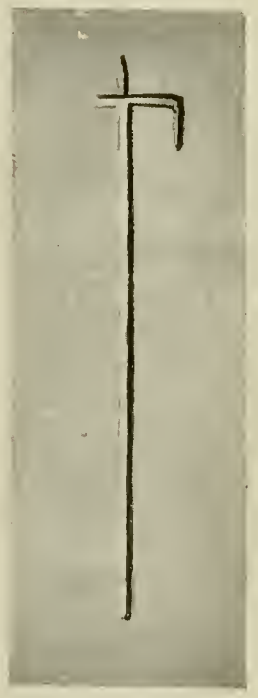

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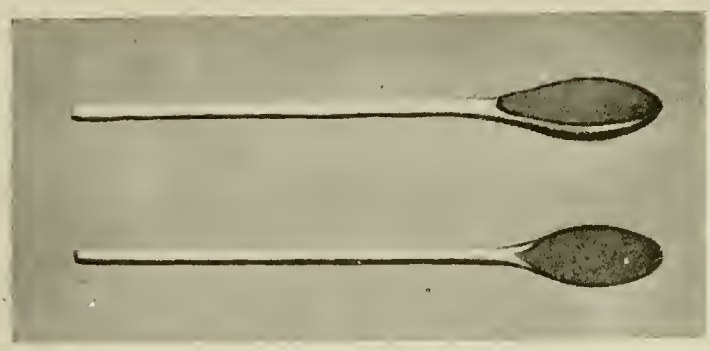

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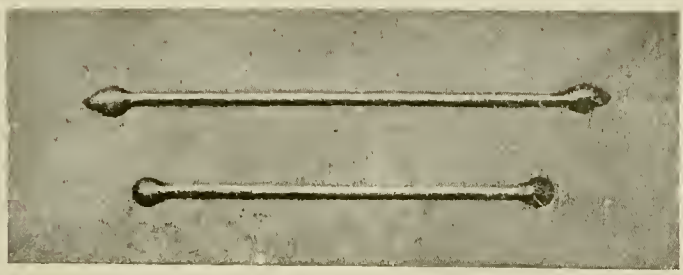

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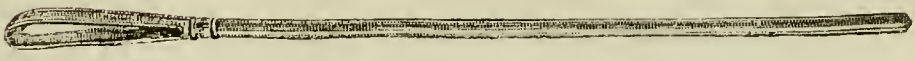
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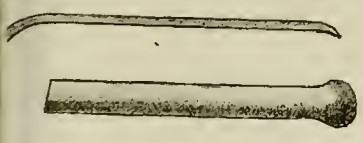

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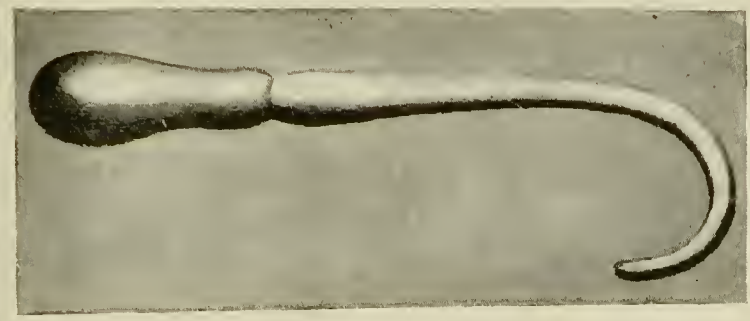

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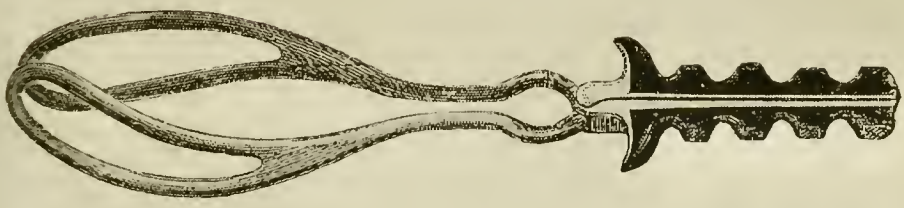

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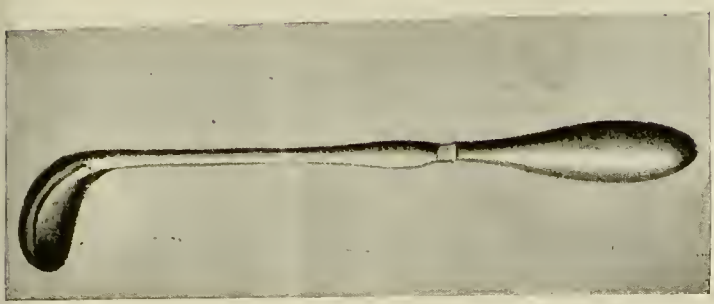

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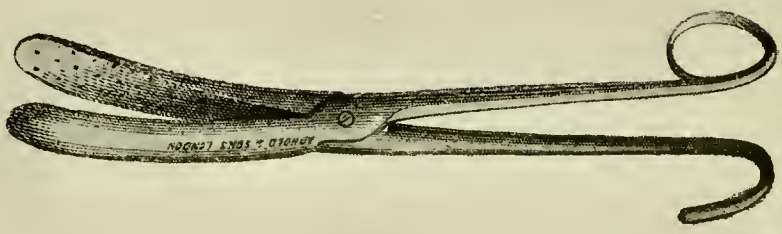

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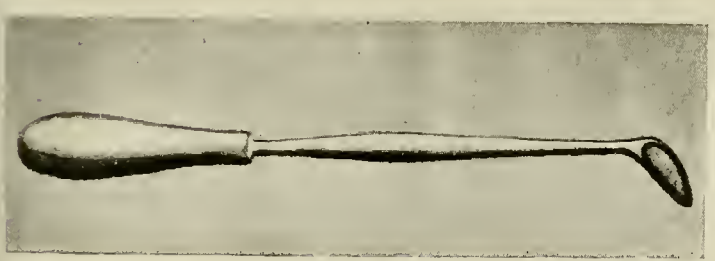

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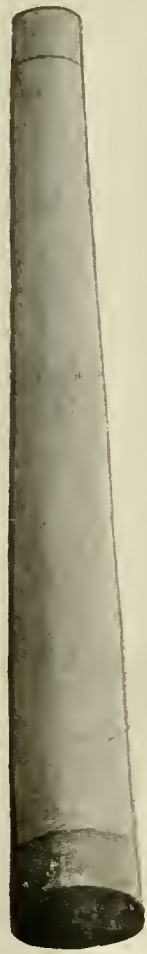

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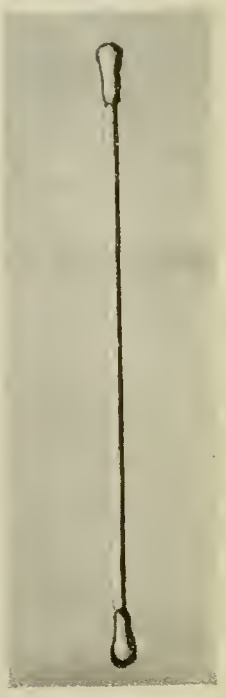

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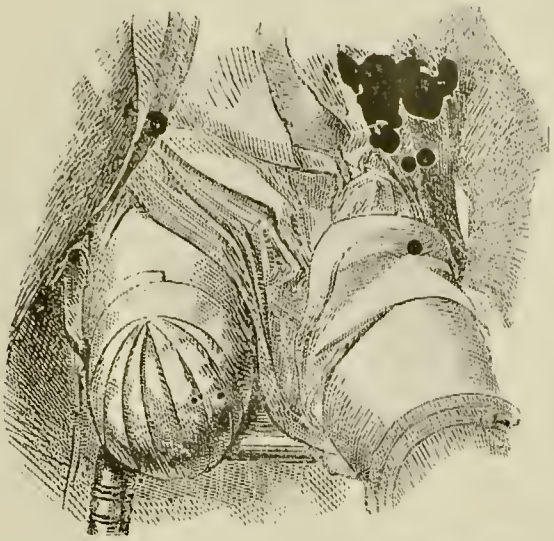

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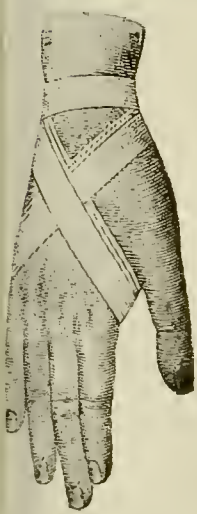

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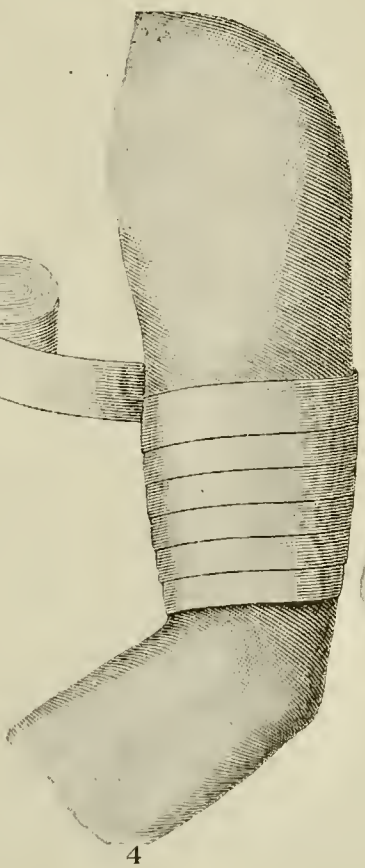

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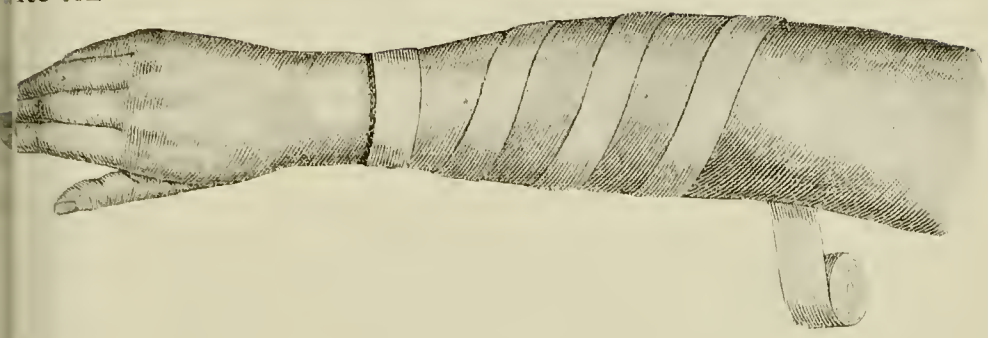

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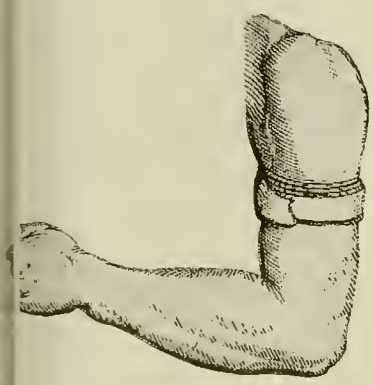

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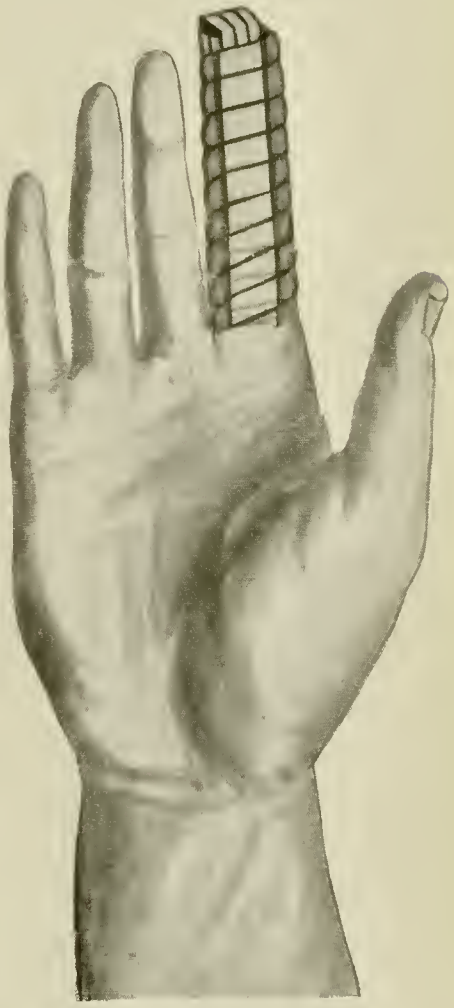

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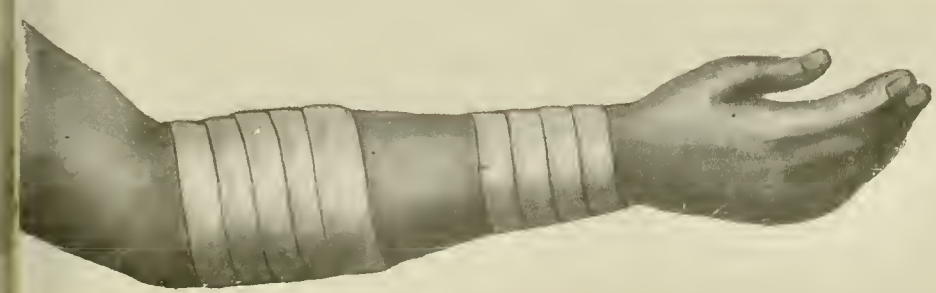

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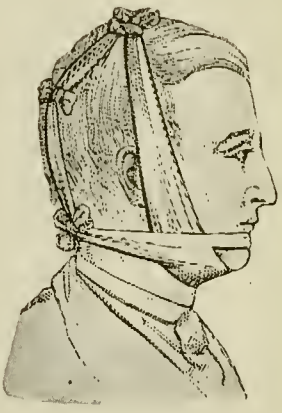

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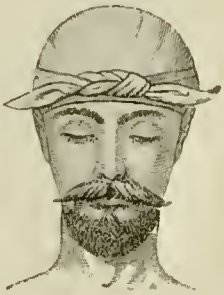

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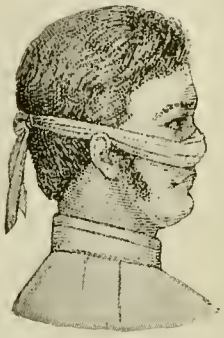

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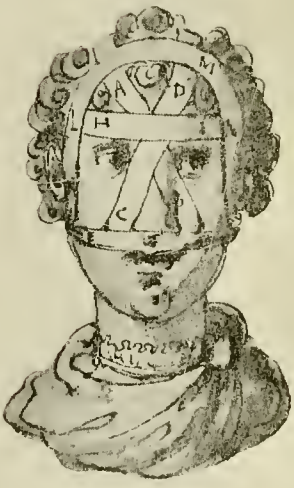

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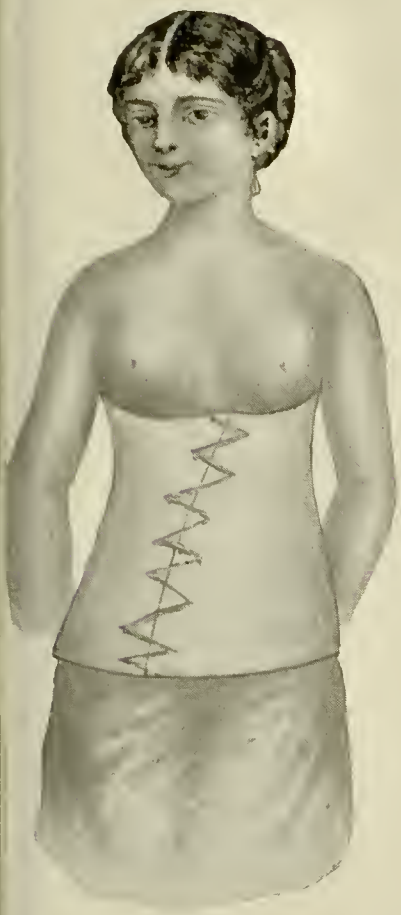

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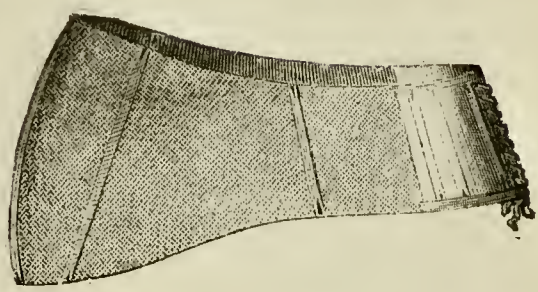

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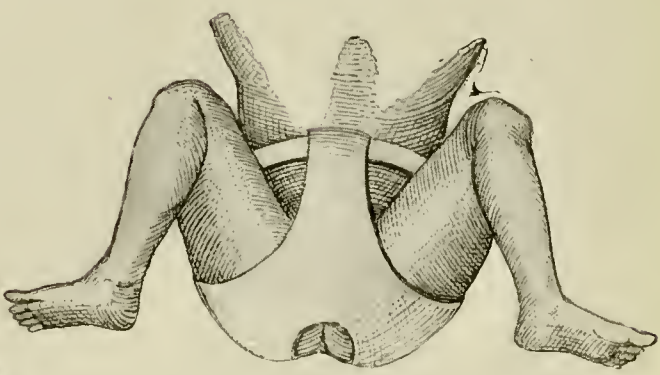

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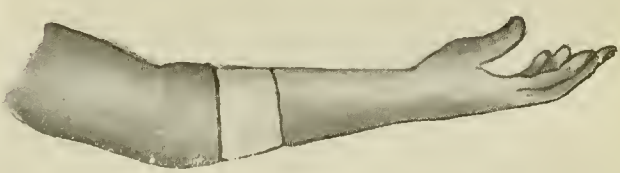

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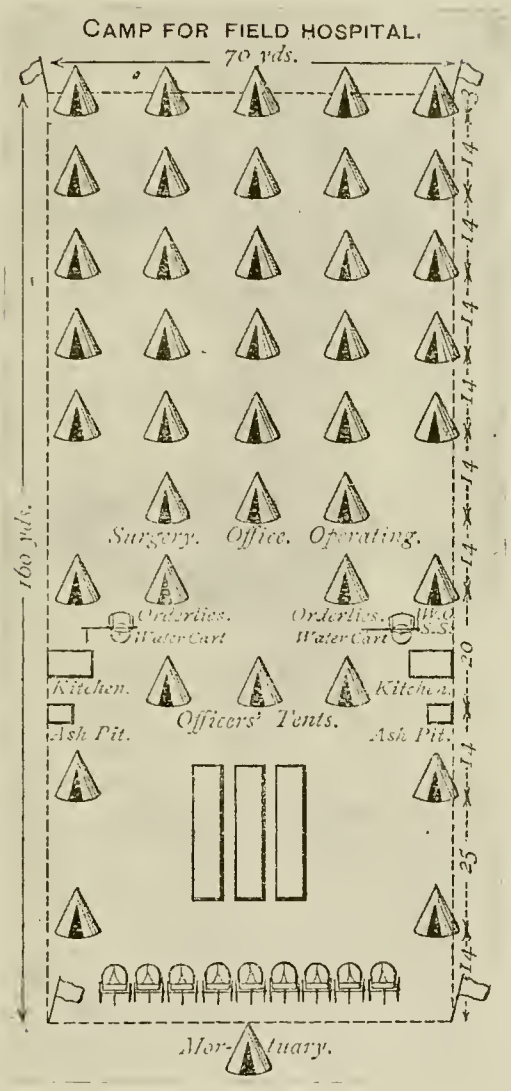

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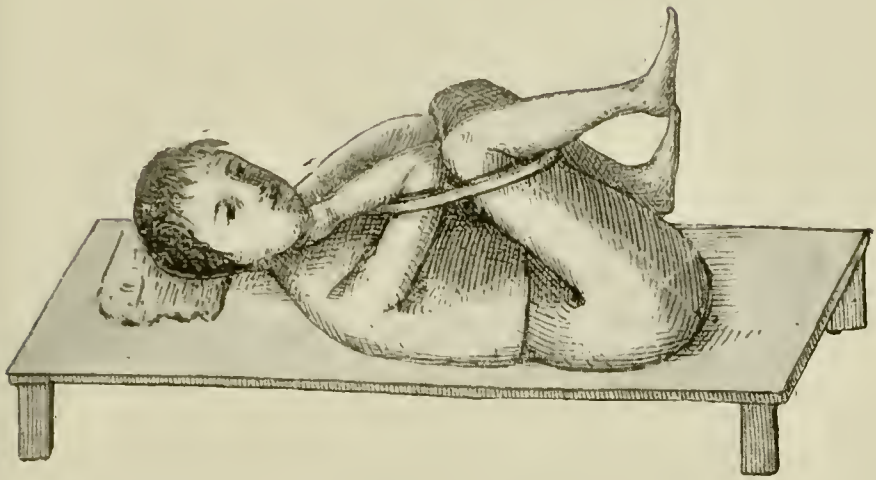

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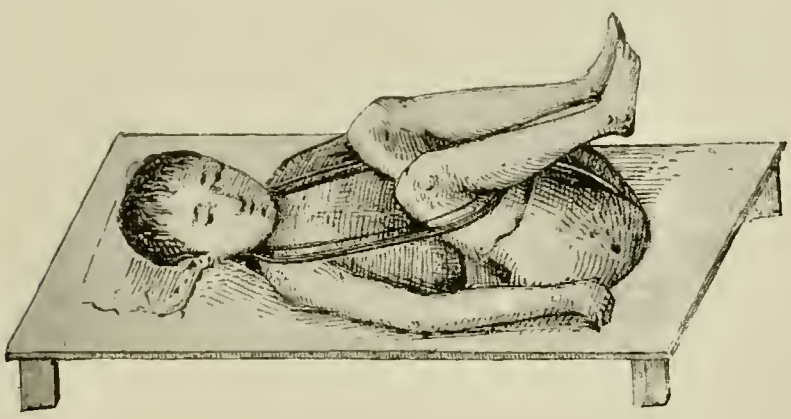

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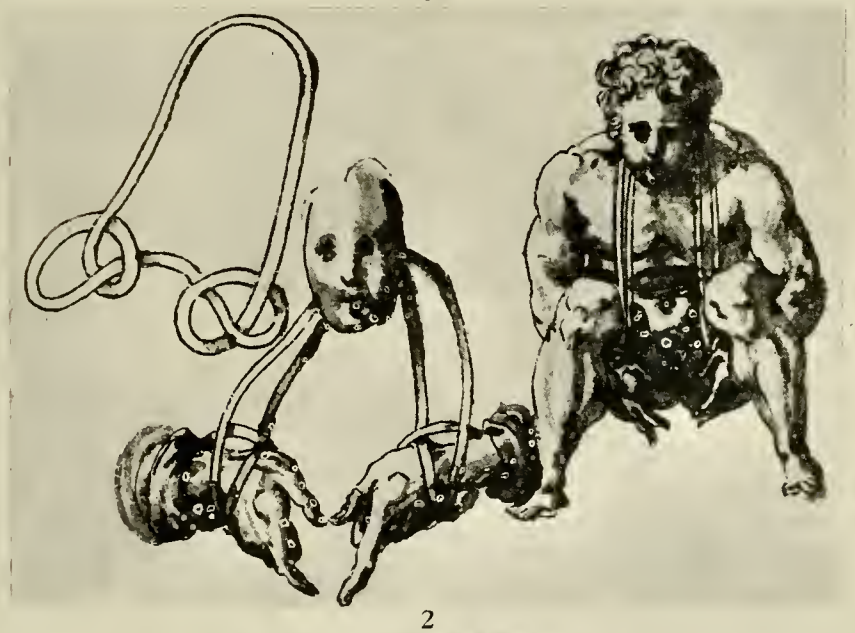

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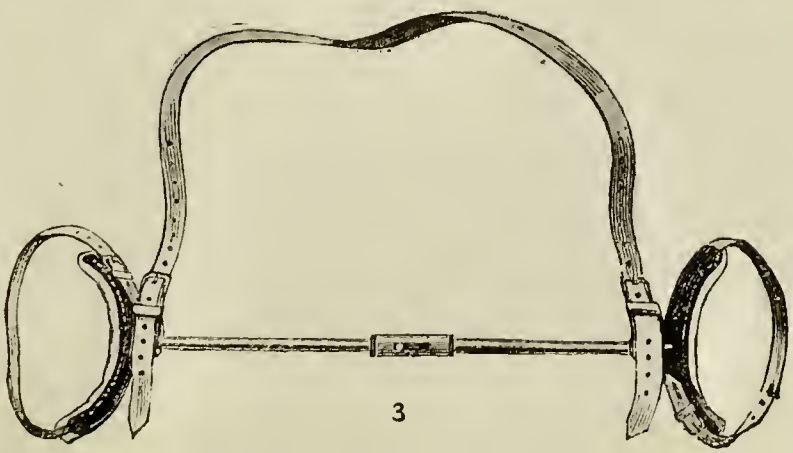

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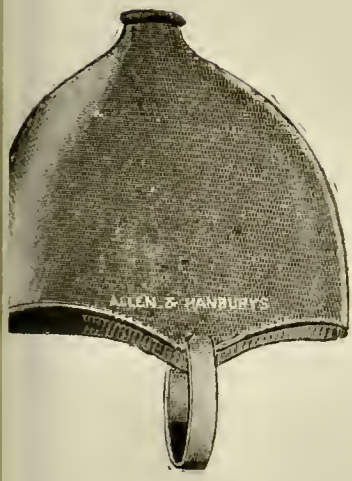

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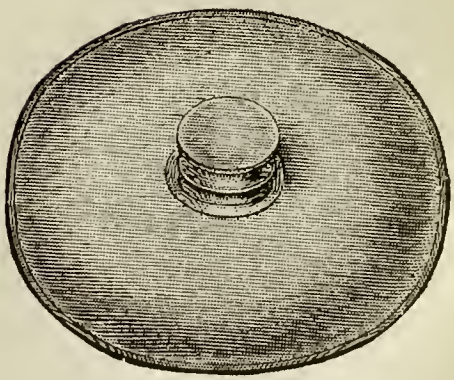

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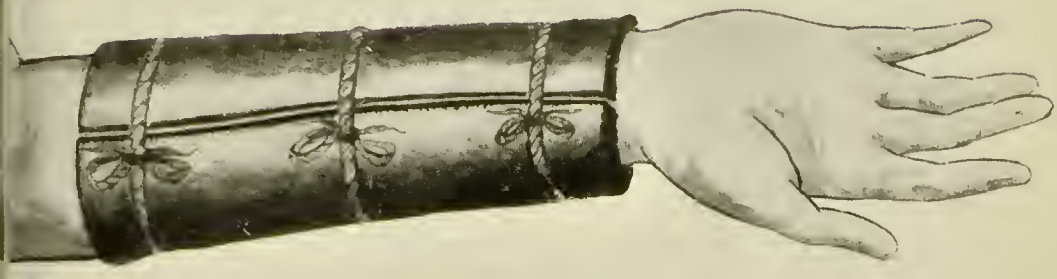

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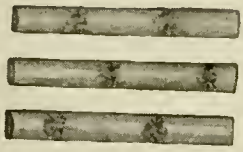

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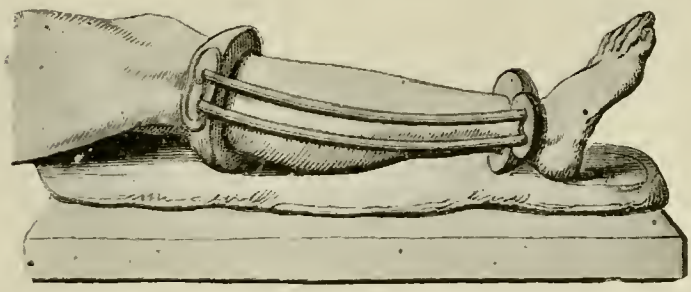

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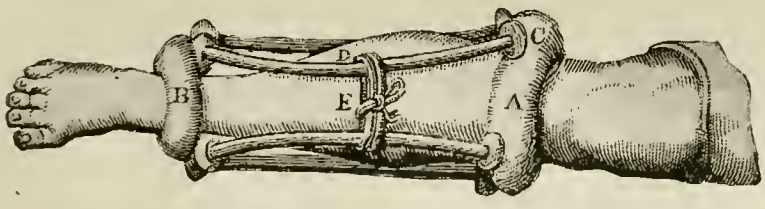

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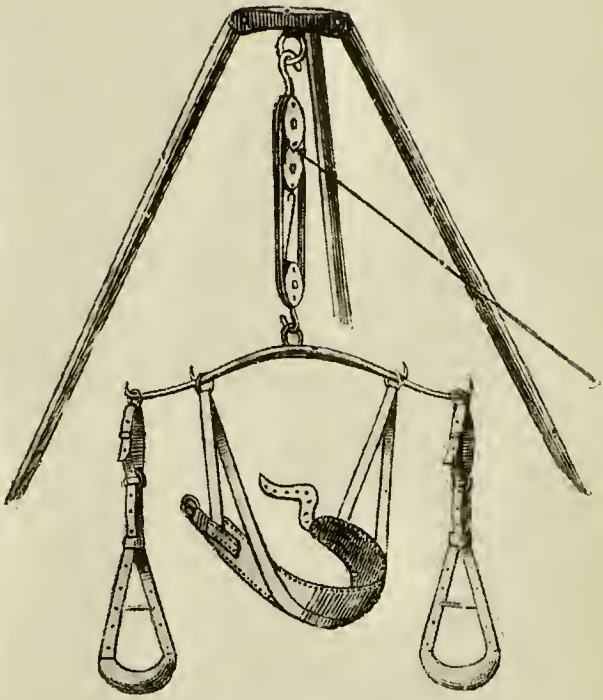

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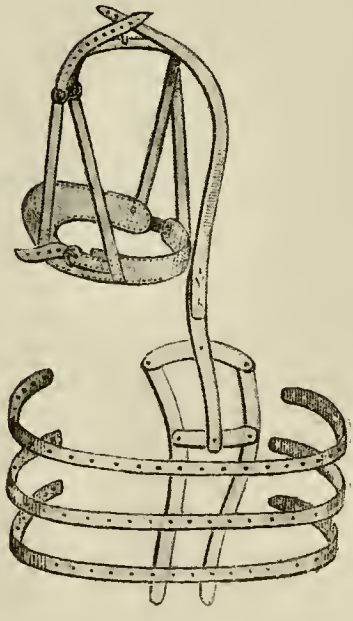

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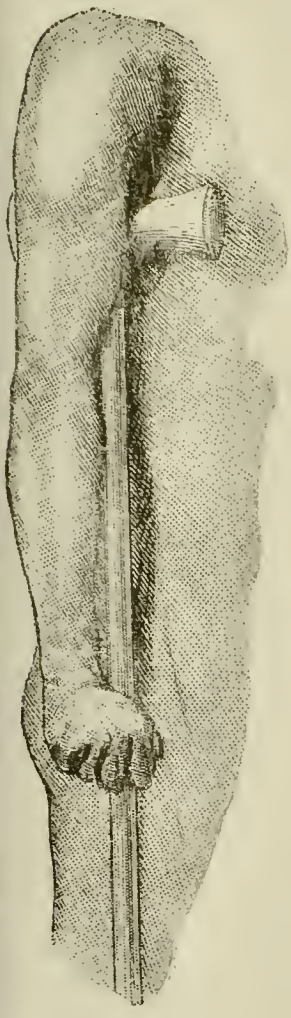

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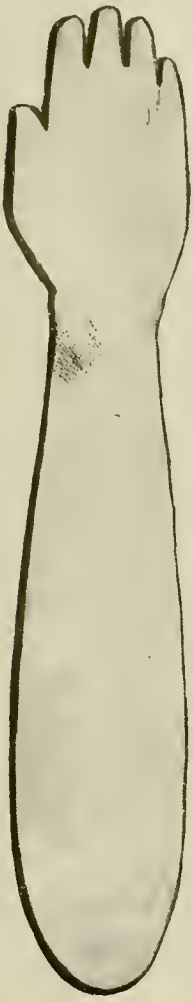

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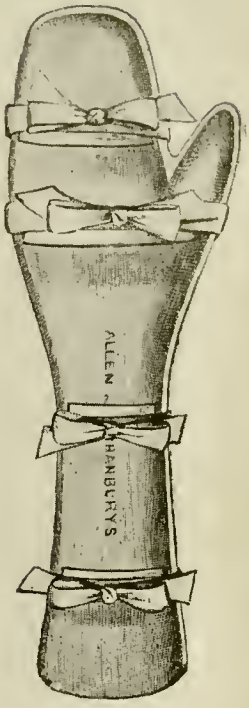

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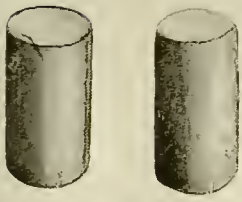

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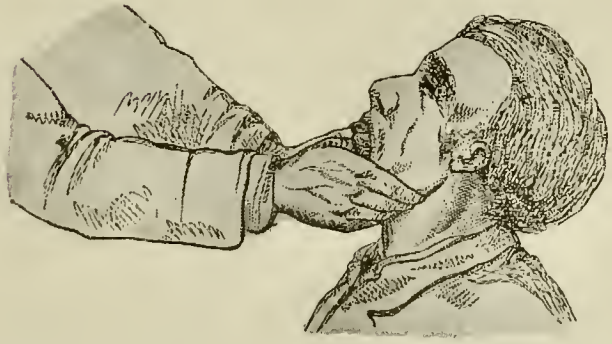

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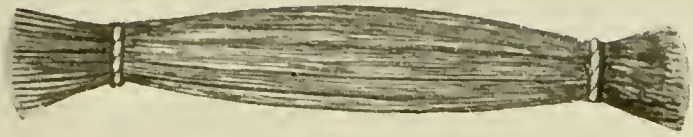

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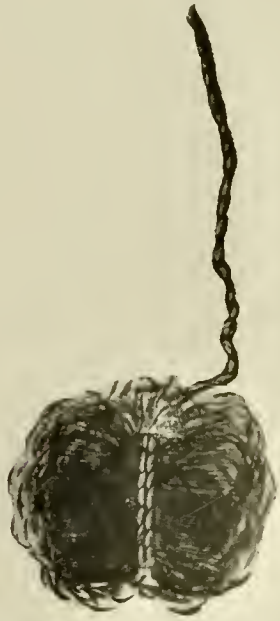

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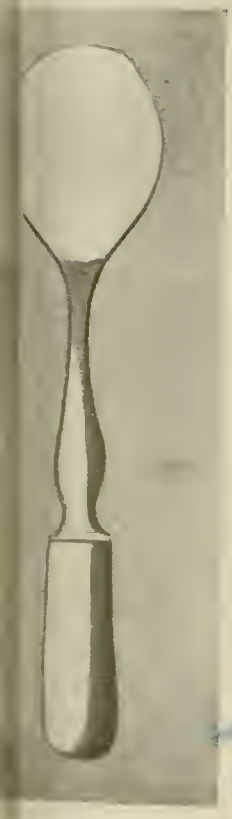

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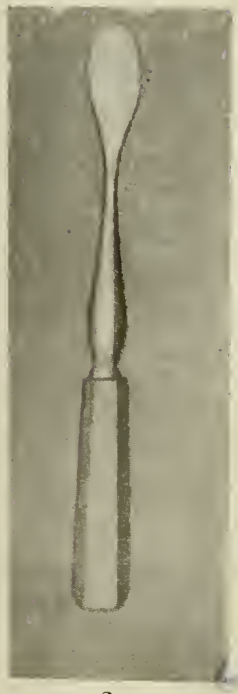

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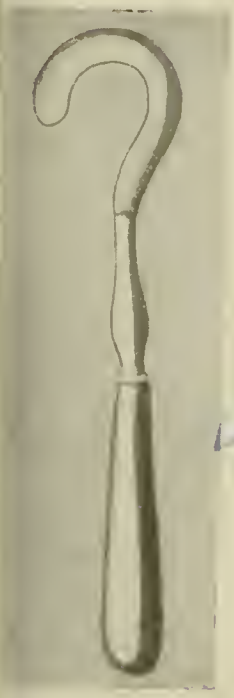

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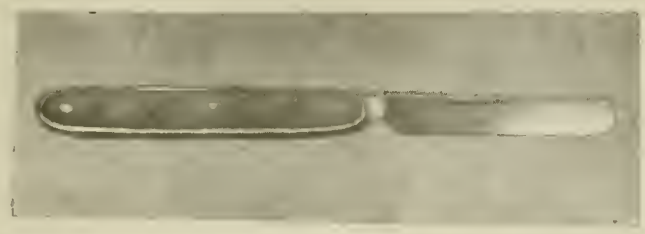

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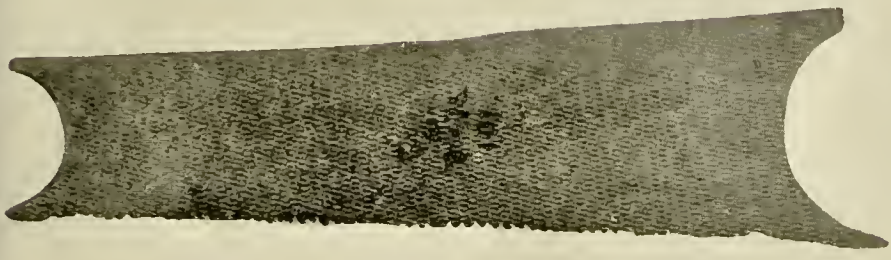

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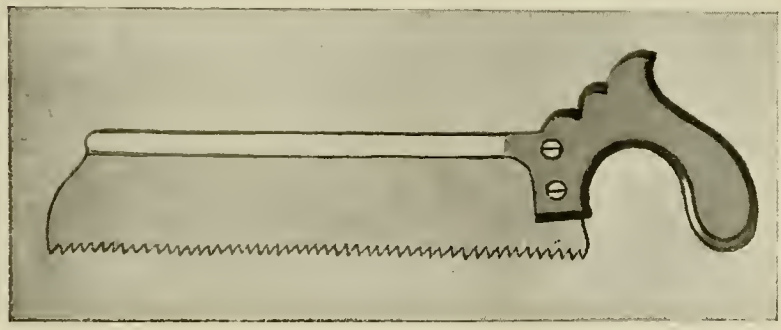

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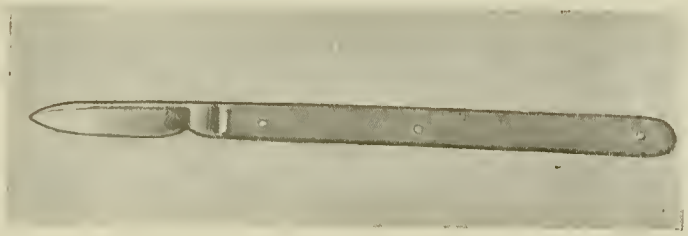

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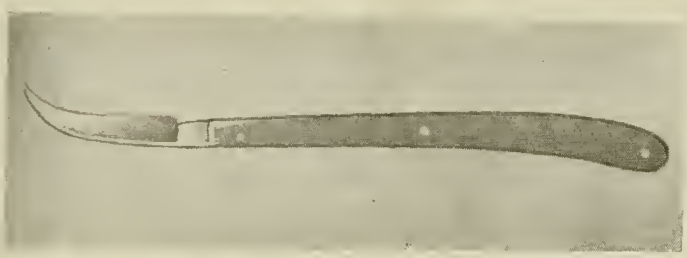

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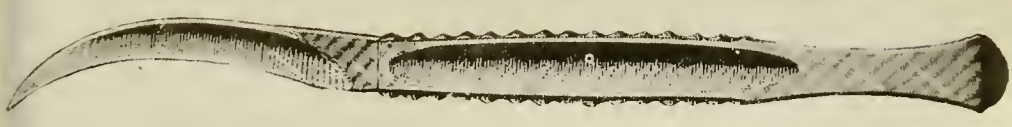

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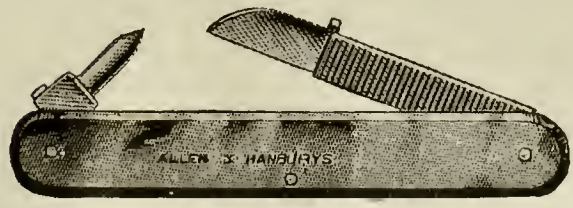

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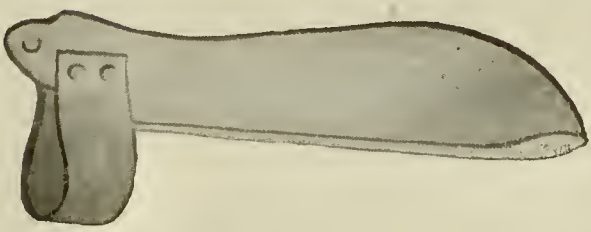

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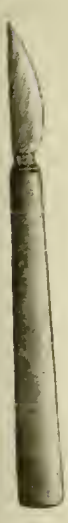

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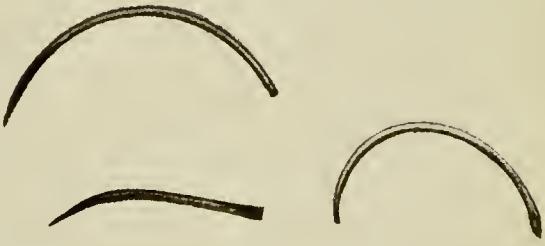

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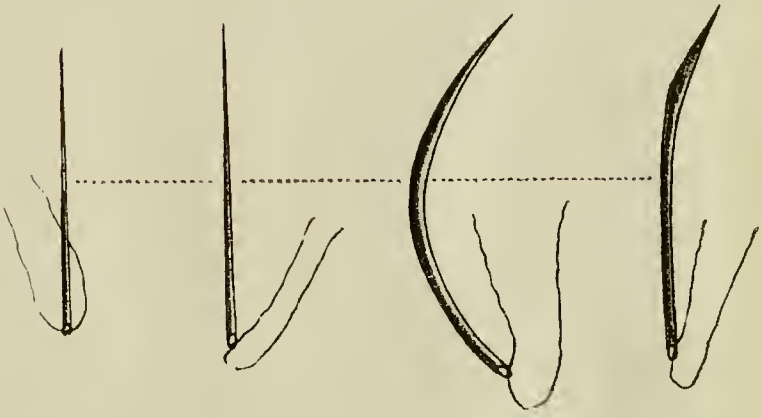

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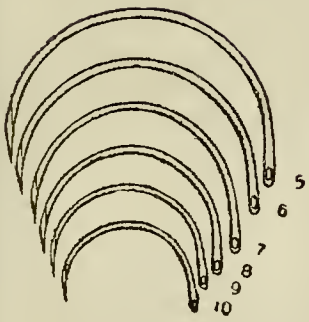

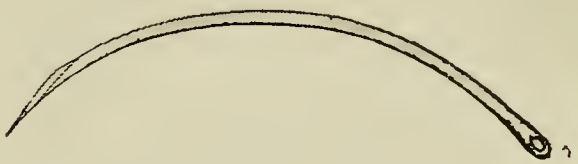

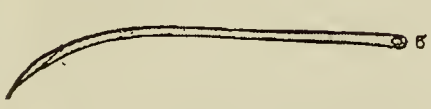

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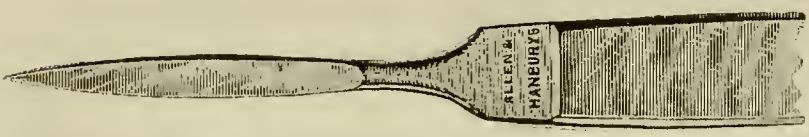

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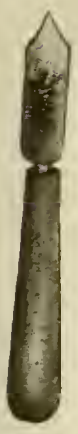

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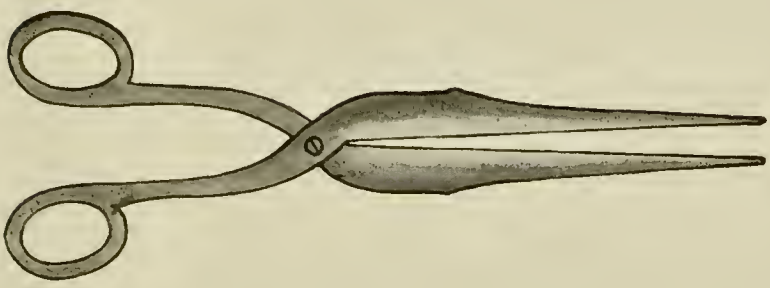

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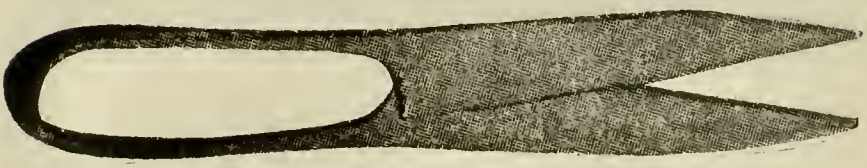

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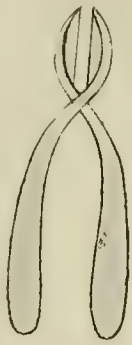

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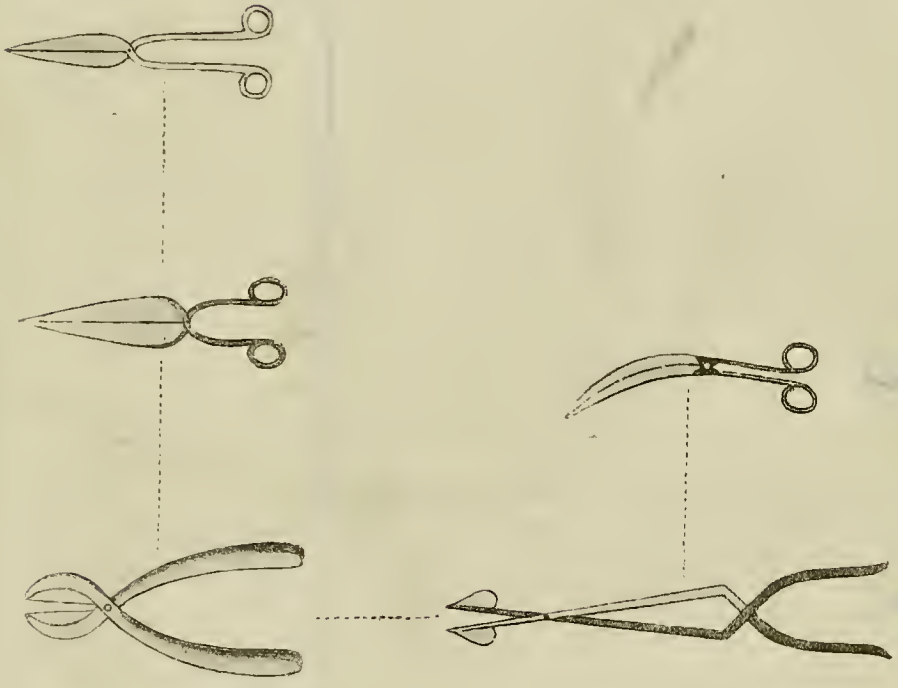

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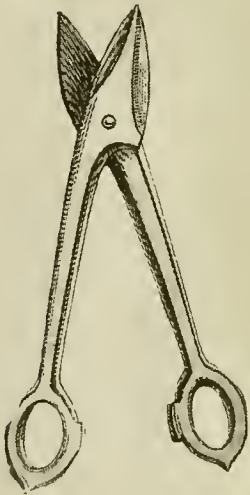

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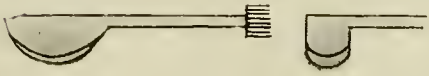

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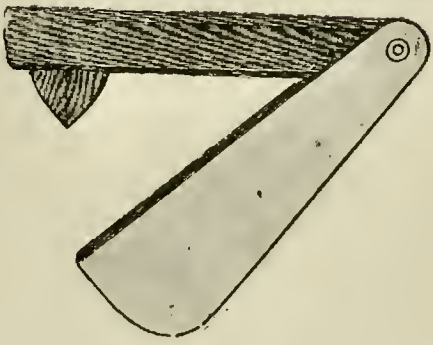

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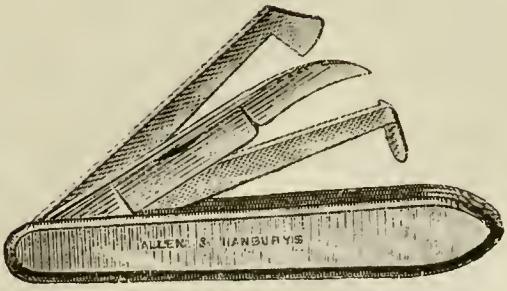

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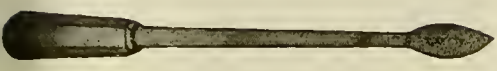

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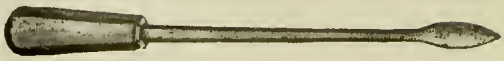

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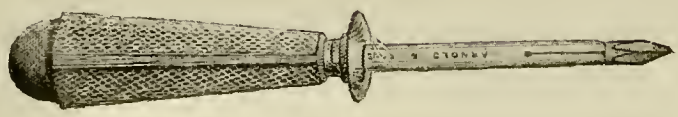

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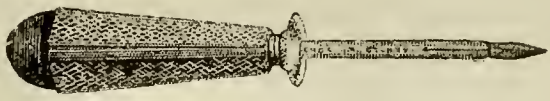

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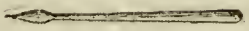

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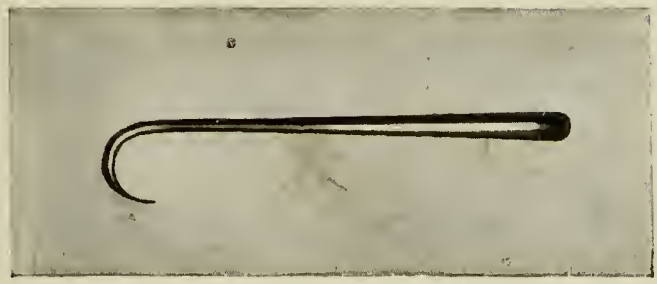

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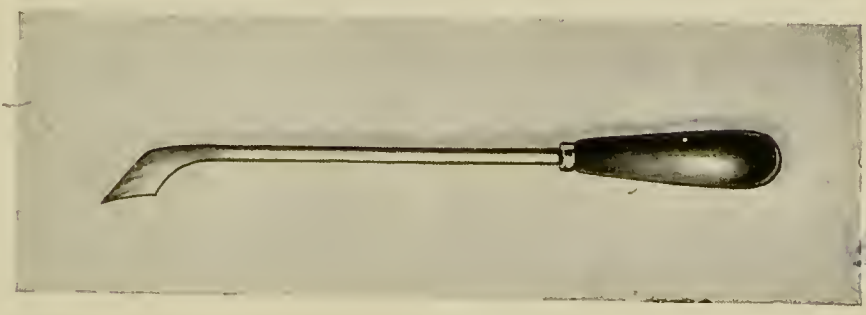

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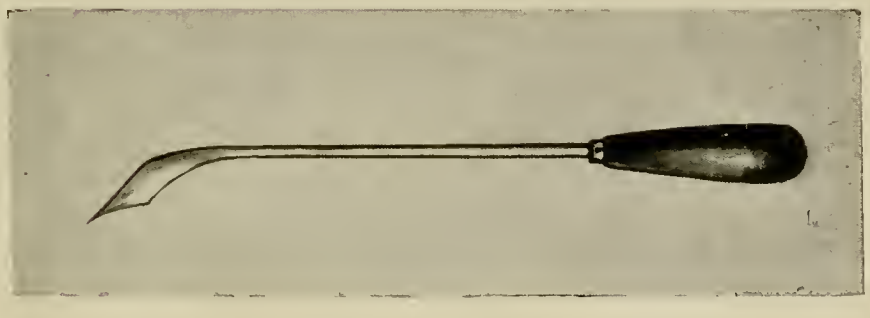

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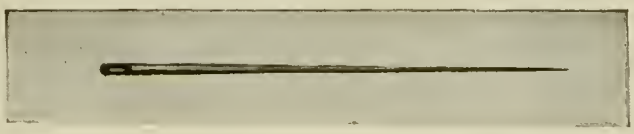

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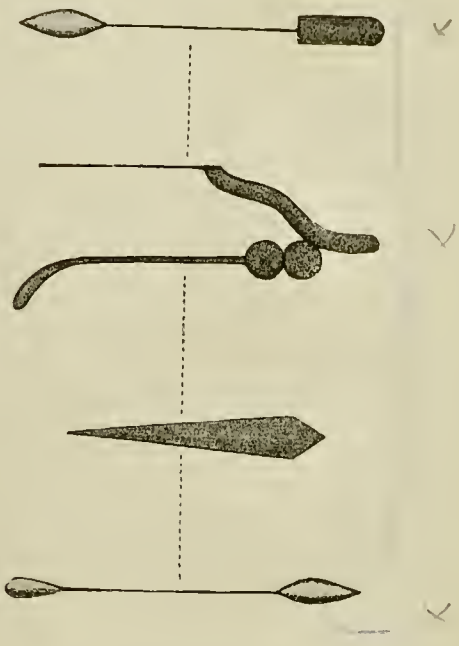

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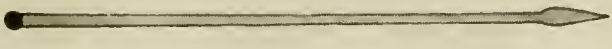

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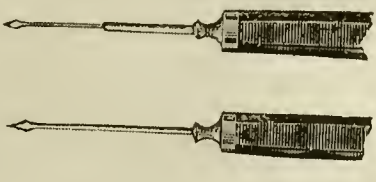

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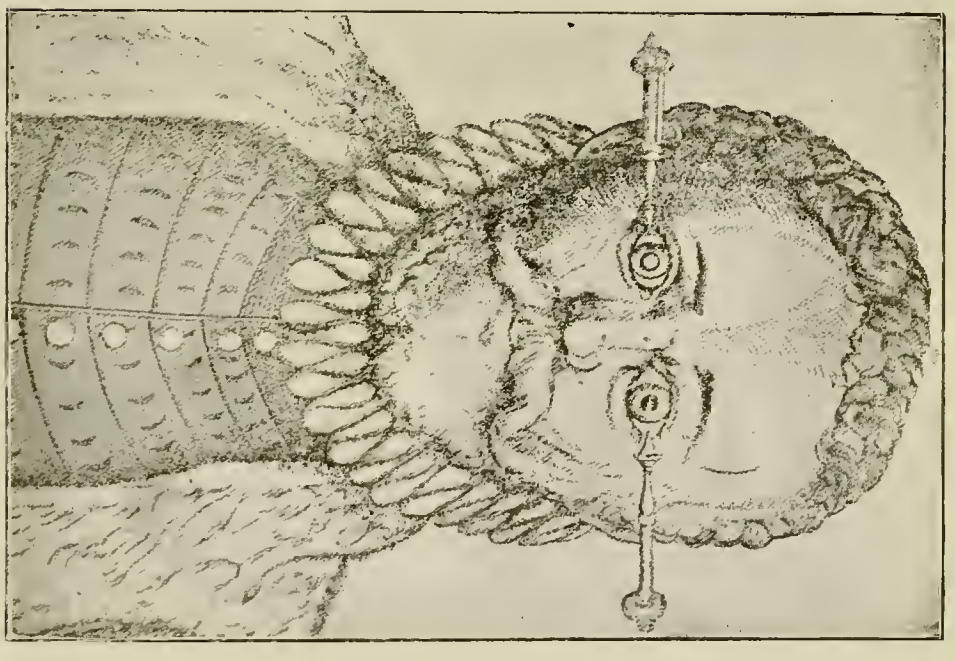

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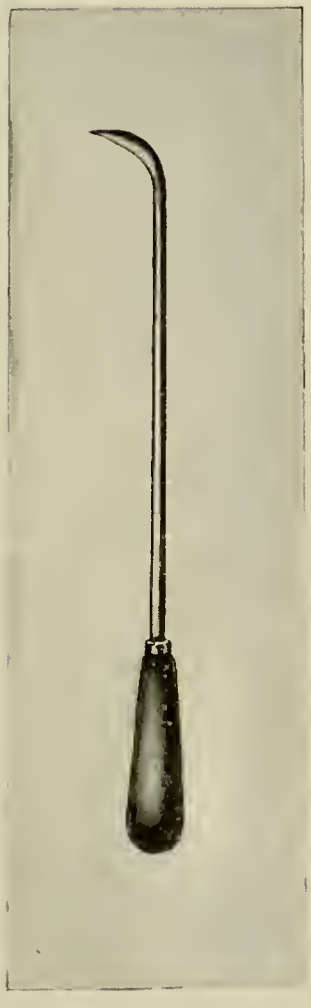

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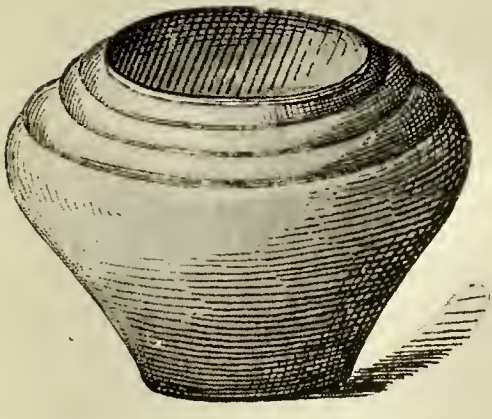

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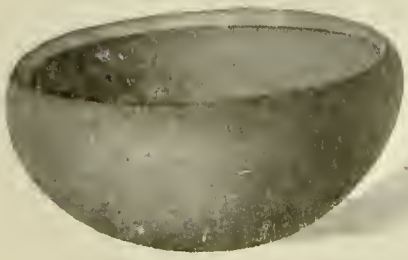

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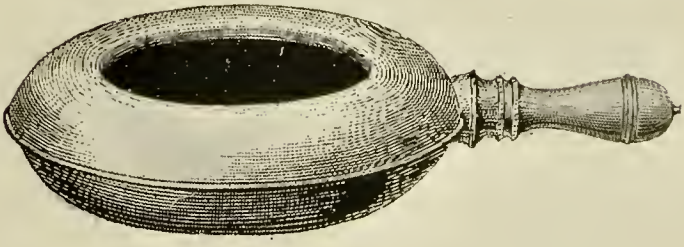

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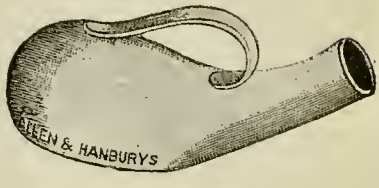

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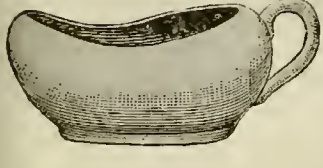

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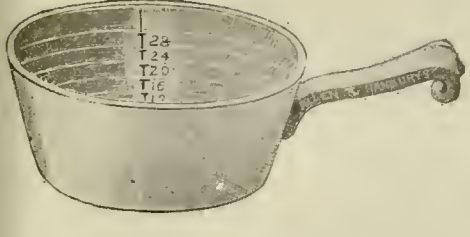

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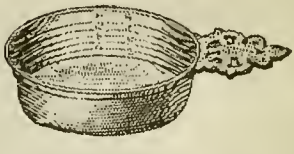

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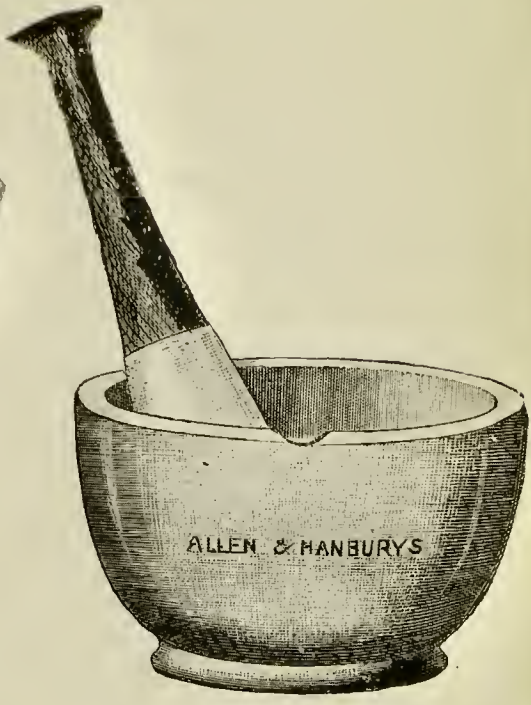

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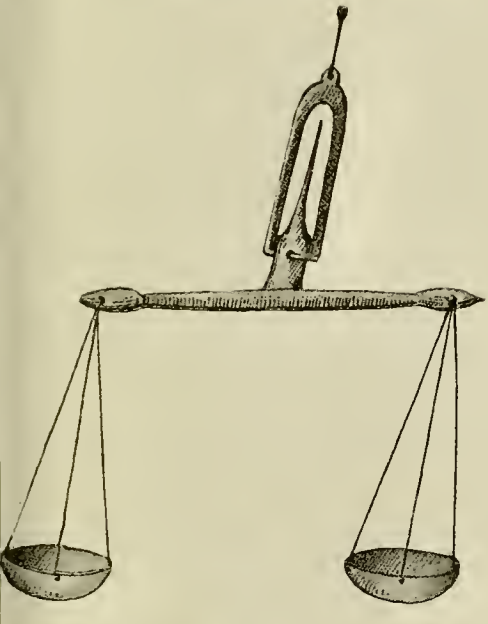

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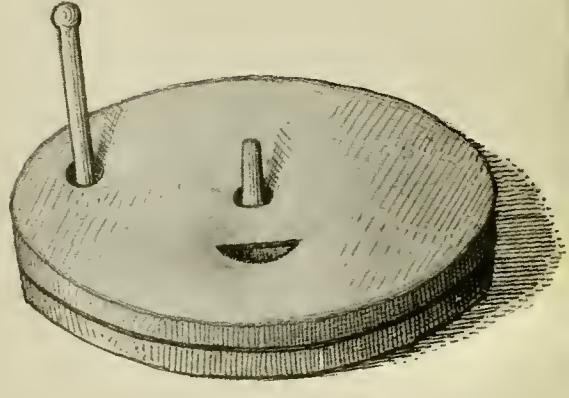

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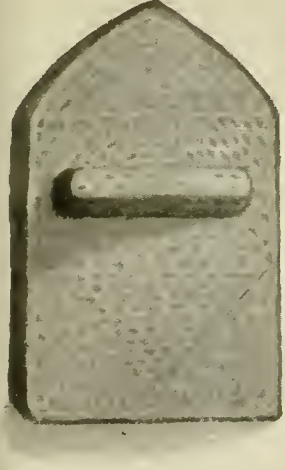

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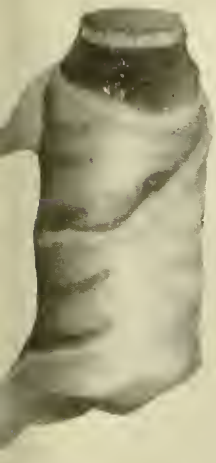

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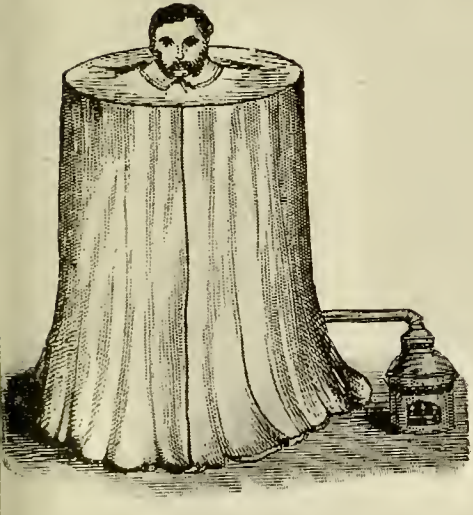

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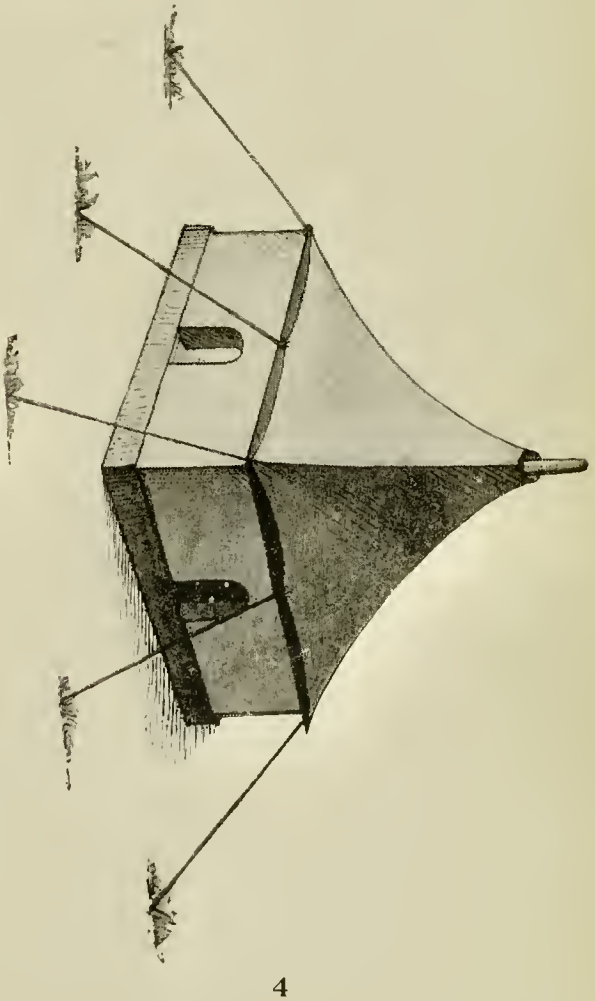

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